

NASA

the
JOURNAL

NORTH AMERICAN SHORTWAVE ASSOCIATION

Volume XXXV Number 4

April 1995

LV19 RADIO MALARGÜE



A M :

790 KHZ

ONDA CORTA

49 Mts 6160 MHZ

FM ESTEREO PAYUNIA 88.1 MHZ

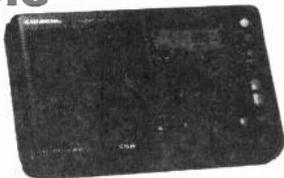
« LA AVENTURA DE HACER RADIO EN LA FRONTERA »

MENDOZA

ARGENTINA

GRUNDIG

YB-400



The Grundig Yacht Boy 400 is praised in the 1994 *Passport To World Band Radios* "Best performance for price/size category" right up there with very best among world band radios. Coverage includes long wave (144 - 353 kHz) AM band to 1710 kHz and shortwave from 1711 to 30000 kHz plus FM (with stereo to the headphone jack). A thumb wheel knob on the side of the radio provides smooth single side band (SSB) tuning. The illuminated digital display provides tuning resolution at 1 or 5 kHz on shortwave. Two bandwidths are featured for maximum selectivity, or for best fidelity. The keypad will quickly get you to any frequency or store up Store 40 of your favorite stations. The dual digital clock is visible while the radio is on. Other refinements include snooze and sleep buttons, lock HI/LOW tone switch, and LOCAL/DX switch. External jacks are provided for earphone, antenna and 9 VDC input. The YB-400 comes ready to go with six AA cells, stereo ear plugs, wind-up antenna, *Owners Manual*, *Grundig Shortwave Guide* and vinyl carry case. 8" W x 5" H x 1.5" D. 1Lb 5 oz. One year limited warranty.

Grundig YB-400 Order #0040 \$199.95 (+\$6)

We also have a limited number of Grundig factory reconditioned YB-400s. This unit is in excellent, like-new condition with all standard accessories and the regular Grundig one year limited warranty.

Grundig YB-400 Reconditioned Order #1704 \$149.95 (+\$6)

SONY

ICF-M350V



Here is an incredible value from Sony. This four band digital portable receives AM (530 - 1710 kHz), FM (87.5-108 MHz), VHF television audio (channels 2-13) and the NOAA weather band! (No SW reception). You can store up to five frequencies on each band for a total of twenty memories. Sony includes a lock button to freeze the radio's controls. The 12 hour digital clock-alarm continuously displays the time when the radio is off. This is the ultimate emergency radio for when the power fails. It also makes a great gift for that person who has everything! With 3.5 mm mono earphone jack and hand strap. Requires three AA cells (not supplied). 4.5 VDC. 7.75" x 3.75" x 1.35". 16 oz. (3 Lbs. ship). One year limited warranty.

Sony ICF-M350V List \$59.95 Order #1056 \$49.95 (+\$5)

Sony AC E-45 wall adapter for above

(Free shipping if purchased with radio)

Sony AC E-45 List \$22.00 Order #0479 \$19.95 (+\$3)



SUPERADIO III



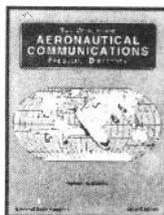
This book on DXing AM FM and TV is FREE with your purchase of a G.E. Super Radio III. This free book must be requested when ordering.

The General Electric model 7-2887 *Superadio III* was designed specifically for long range AM and FM reception. It features tuned RF on both AM and FM for excellent sensitivity. Optimum selectivity is provided by four IF tuned circuits on AM and three on FM. A wide/normal switch allows you to control selectivity. Exceptional sound quality is achieved through the use of a 6 1/2" woofer and 2 tweeter. Separate bass and treble controls permit you to adjust the sound for maximum fidelity and clarity. Other features include an FM-AFC earphone jack (3.5 mm mono) and fold-down carrying handle. A built in 7.7" ferrite rod antenna brings in distant AM stations. Screw terminals are provided for external AM & FM antennas. Coverage: 530-1700 kHz and 88-108 MHz with analog tuning. This radio is a real favorite among medium wave DXers. Out performing multi-band radios costing many times more. Powered from 120 AC 60 Hz 3W or six D cells (not supplied). Attractive black cabinet 12 1/2" W x 10 1/2" H x 4 1/2" D. One year limited factory warranty.

G.E. 7-2887 List \$69.95 Order #0547 \$59.95 (+\$5)

FREE BOOK FREE BOOK

The Worldwide Aeronautical Communications Frequency Directory



This new 260 page book by Robert Evans has quickly become *the* definitive reference for aeronautical DXers worldwide. Second Edition.

Only ... \$19.95 (+\$2 shipping)

The uncontested best book in the field. An invaluable source book. MT

Comprehensive and fully informative. Applicable to the novice as well as to the advanced monitor. A book second to none. I could go all night with superlatives.

New Zealand DX Times

Quite simply the best and most authoritative book on aircraft communications.

Short Wave Magazine

This has to be the most complete treatise on HF, VHF and UHF voice and digital aircraft communications we have seen. Over 2350 discrete frequencies are given exhaustive attention with in-depth explanations of who, what, where and why various communications take place. A bargain at \$19.95.

Westlink Report

universal radio inc.

Universal Radio, Inc.
6830 Americana Pkwy.
Reynoldsburg, Ohio
43068-4113 U.S.A.

800 431-3939 Orders & Prices
614 866-4267 Information
614 866-2339 FAX

◆ HUGE CATALOG ◆

Our new 108 page catalog is bigger than ever, with everything that is new for the listener, ham or scanner enthusiast. Available FREE by fourth class mail or for \$1 by first class mail.

Universal Radio ...
Serving Listeners Since 1942!

STORE HOURS	
Monday - Friday	10:00-5:30
Except Thursday	10:00-8:00
Saturday	10:00-3:00
Sunday	-CLOSED-

Visa, Mastercard or Discover card.
Please Ask Special Prices for Bulk Orders

NASWA Notes

Richard A. D'Angelo
2216 Burkey Drive
Wyomissing, PA 19610

The Eighth Annual Winter SWL Festival is now history. Once again, over 200 hobbyists from all over the country, and across the pond, attended the best of all the hobby gatherings. Your Executive Council and a number of editors had an opportunity to meet and discuss the club and the *Journal*. It was a very productive session. Once again infamous pirate broadcaster Pancho Villa appeared to liven up the festivities. If you were there, you probably are one of the many that had the usual good time at the Festival. Hopefully, the pages of the *Journal* will be full with interesting musings over the coming months. If you couldn't be in Kulpsville this year now is the time to begin planning to attend next year's event. *Next year's Fest will be March 14-16, 1996.*

At the banquet, Marie Lamb ("The Voice of NASWA" and "The Voice of ANARC") announced that Don Moore had been selected by ANARC as the 1995 North American DX'er of the Year and that Takayuki Inoue Nozaki of Japan was selected the 1995 International DX'er of the Year. In addition, John

ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave listening, DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Net Controls Bob Brown KW3F, Hausie WB4JSP, and Tom Sundstrom W2XQ, host an always lively gang of DX monitors. (Best heard in the eastern half of NA)

Vodenik (formerly of the Voice of America) was presented a Certificate of Recognition for his outstanding service to the shortwave community while employed by the VOA. Congratulations to each of these gentlemen.

Responses to the 1995 NASWA Membership Survey are being tabulated by Harold Cones. The survey was published in February's *Journal*. If you haven't already done so, please take a few moments to fill out

Welcome to the following new NASWA members -

Howard E. Allen Jr., Millsboro, DE
James Brann, Carboro, NC
Robert Roy Chaney, La Ward, TX
Larry Fisher, Elkview, WV
Bob Foster, Greensboro, NC
Bob Fraser, Cohasset, MA
Frederick Gordts, Kortrijk, BELGIUM
Robert A. Hess, Cincinnati, OH
Scott Huber, Bel Air, MD
Kenneth Kirkpatrick, Heath, TX
Joseph Leeman, Wakefield, RI
Kevin Tileston Lorusso, Worcester, MA
John C. Marx, Madison, WI
Fabio H. Mota, Lorain, OH
S. W. Nelson, Lebanon, MO

Benton Owsley, Ventura, CA
Richard Quindry, Lansdale, PA
Weston Richards, St. Charles, IL
Mr. David Riederer, West Seneca, NY
Charles P. Sammut, San Francisco, CA
James P. Sharpe, Castro Valley, CA
Robert S. Sherman, Chestnut Hill, MA
Allan M. Siegner, Phoenix, AZ
Shirley A. Stewart, St. Marys, PA
Jack Streckfuss, Cortlandt Manor, NY
George Uhler, Santa Maria, CA
Jose Velasquez, San Antonio, TX
John WM. Weible, Pocono Summit, PA
Tom Welch, San Antonio, TX
Marino V. Wilson, Milford, CT

Our Motto is - "Unity and Friendship"

the survey and return it to Harold as soon as possible. Your reply will make a difference. That was quite a pile of Musings that appeared in last months bulletin. A lively Musings column adds to the interest of the *Journal*. Let's keep it up. Incidentally, Musings should go direct to **Bob Brown**. Once in a while, a stray muse makes it's way to me. That only delays the process. From time-to-time, either Bob, **Bill Oliver** or myself receive a letter from the membership which does not state whether it is a muse or not. In those cases we do not print the letter. If you would like your letter to appear in the Musings column, please indicate on your correspondence if it is for publication. Thanks.

From time to time, your club needs the assistance of members to assist in the completion of special projects. Currently, we need (electronic) typing assistance. Most of our re-prints were done the old fashion way and we would like to generate an electronic file of reprints. If you have access to word processing equipment and are willing to devote some time to this project, your club needs you. Please contact **Bill Oliver** electronically through the Internet at naswa1@aol.com or snail mail at the usual 45 Wildflower Road address. He will forward material to you and co-ordinate the necessary arrangements. Also involved in this project is our graphics guru, **Ralph Brandi**. Thanks in advance!

The 1995 North American DX Championship is now history. Our own Dr. Cones and his crew of elf DXers are busy tabulating the results. That Cones does a lot of tabulating! We will have a report on the results in the coming months.

Bill Westenhaver, former SPEEDX Asia/Oceania editor and QSL verification signer for Radio Canada International, sends word that a special 50th anniversary RCI QSL is now available for reception reports sent to the station at P. O. Box 6000, Montreal, Quebec H3C 3A8, Canada. The first cards went out on March 1st. 50 years! Give RCI a listen and send Bill a good quality reception report and one of these nice QSL cards will be in your collection too.

Just a brief reminder that Radio Austria International will be operating a amateur special events station (OE1M) and will offer special programs to help celebrate the International Marconi Day on 22 April 1995. To document this "first," there will be a special QSL for the shortwave and amateur broadcasts. Full details appear in last month's NASWA Notes column.

That's it for this month. Enjoy this month's *JOURNAL*; it's another good one.

Calendar Of Events

- Apr 15** - The **Miami Valley DX Club** (All band orientation) meets on the third Saturday of each month at 1 PM. Locations vary but are announced in advance. For info, call the MVDXC (614) 471-9973 Or, send a SASE to MVDXC, Box 292132, Columbus, OH 43229-8132
- Apr 21** - Meeting, **Philadelphia Area NASWA Chapter**. Kulpville Holiday Inn, Kulpville, PA. 7:30 PM Contact Dan Cashin (215)446-7831 (no meeting this month - Fest)
- Apr 21** - Meeting, **The Boston Area NASWA Chapter**. The Lexington Club, Route 4/225, Lexington, Mass. 7:30 PM This location is 1/4 mile West of Route 128 exit 31. For more information contact: Paul Graveline - Telephone: (508) 470-1971 or Internet: 74007.3434@Compuserve.com.
- Jun 4** - The **Tidewater SWLs** meet on the first Sunday of each month at 6:30 PM. For info, call Joe Buch, (804) 721-2782.

Members are invited to submit items to be included in this calendar to Bob Brown.

Musings

This column provides a forum wheras members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are solely those of the submitters. Please submit all Musings to Bob Brown, 238 Cricklewood Circle, Lansdale, PA 19446 or via email - 74756.1557@compuserve.com

Harry Helms, 7445 Andasol St., San Diego, CA 92126

The March *Journal* had some great *Musings* and other thought-provoking material. Thanks to all the contributors!

While I understand Richard Dailey's frustration about the shortcomings of many contemporary shortwave receivers, SWLs have it better now in terms of equipment choice and "DX per dollar" than ever before. John Bryant has a superb article in the current volume of *Fine Tuning's Proceedings* in which he compares receiver prices with adjustments for the consumer price index, and the results are a real eye-opener! Legendary receivers like the HQ180 cost the equivalent of over a couple of thousand of today's dollars. In constant dollars, we can buy a Drake R8 for the same price as a Hammarlund HQ145 or Hallicrafters SX110, and neither of those two remotely approached the R8. And not all the old receivers were great. There were many, many junk receivers around thirty years ago - I know, I was there, and I used some!

Andy Sennitt's remarks on the future of satellites echoed points I've made previously here in the *Journal* and in places like *Popular Communications*. Each time, I've gotten some really agitated reactions from people who apparently feel personally threatened by the prospect of satellite broadcasting. I can't understand why. If you enjoy program content, why be opposed to clearer, more reliable reception? If you're a DXer, what's so bad about less QRM?

The wheels are already in motion for direct satellite broadcasting. The FCC recently established a new allocation above 1 GHz for satellite auto broadcasting. Some old friends back at Tandy/Radio Shack engineering tell me that receivers for the new service should cost about what many shortwave portables sell for, and the antenna will be roughly the size of a silver dollar!

Look at the impact satellite television broadcasting services like DirecTV have had already. Local cable companies are finally getting some competition, and are discovering such things as customer service as a result. Satellite audio broadcasting won't totally eliminate shortwave broadcasting, but it might force the remaining shortwave broadcasters to put

DUES INCREASE

With the recent increase in postage costs and other operating expenses of the club including printing, the Executive Council has determined that a US\$1.00 increase in membership rates for North America is necessary effective April 1, 1995. This is the second postage increase experienced since the last time dues were raised. In North America dues will be US\$26.00. Any member in North America can renew at the old rate until that time. Overseas postage rates may rise later this year which could result in membership rates increasing. Overseas members may also renew early to avoid the increase.

more effort and creativity into their programming.

The migration of broadcasters and other services (like maritime) from shortwave to satellites will open up a lot of frequencies below 30MHz for new uses. Wouldn't an expanded amateur radio service without any code requirements for a license be great? Or maybe even an amateur broadcasting service? The radio spectrum is an infinitely recyclable resource, and the loss of some old, familiar shortwave broadcasters will be offset by new opportunities - if we're imaginative enough to seize them!

Nostalgia is okay, but life can't be lived in the past tense. Satellite broadcasting is going to arrive soon, and it's going to have a major impact on shortwave when it does. Let's stop dreading this change and instead figure out ways both program listeners and DXers can benefit from it.

Bill Flynn, 343 June Drive, Cave Junction, OR 97523-9347

It is my pleasure to renew my membership in NASWA for another year. NASWA continues to be the best SWBC club in North America.

Frank Aden, Jr., 4096 Marcia Place, Boise, ID 83704

This is the first time I have sent in a Musing so I will introduce myself. I am 41 and work for Boise State University Bookstore, where I do a mixture of accounting, merchandising and customer service. Graduated from the University of Oregon in 1977.

I have been a member of NASWA for over twenty-five years. I have not been doing as much SW DXing/listening in the past few years but do like to keep up with what is going on in the hobby. I also have interests in BCB, TV and FM DXing and am active in IRCA, NRC and WTFDA. I also hold a ham license, N7SOK, and spend time on 10m, 2m and 440mhz ATV.

This last February I taught a Community Education class on SW radio and hope some of the students become NASWA members. I will be doing the class again this April and plan to hand out NASWA JOURNALS to the students.

Coming this July 14-16 I will be hosting the INTERNATIONAL RADIO CLUB OF AMERICA convention here in Boise. IRCA is an all BCB Club but there is always SW talk at the convention and I invite all DXers to attend.

I would be interested in hearing from any SW DXers/SWLs in this area.

FRENDX: Twenty Five Years Ago...

Publisher/Executive Director Bill Eddings expressed disappointment that only 196 members, less than 50% of the membership, was interested enough to vote in the Board of Directors election. Each member was able to cast three votes (588 total) for any of the eight candidates. Elected to the Board for 1970-1992 were Gregg Calkin (151), Dan Ferguson (105), and Gerry Dexter (95). The Future of Shortwave Broadcasting was the title of a Shortwave Center article written by two Voice of America employees, Edgar Martin, Engineering Manager and George Jacobs, Chief of the Frequency Division. In Gregg Calkin's QSL Report, news about Radio Japan's special QSL cards commemorating the Japan World Exposition, EXPO'70, and a record number of 68 reporters were of major interest. In the Flash Sheet, editor Al Niblack notes "vague" letters from Omar M. Omar of Radio Zanzibar from Al Sizer, Del Hirst, and Dan Henderson.

Hannetta Clark, 3525 West 116th St., Inglewood, CA 90303

Please renew my subscription to NASWA for another year. My check is enclosed.

I appreciate having the wide coverage of the shortwave world offered by the editorial staff and the contributing members. Limiting the Journal to any one area - SWL, DX, MW or whatever - would not serve such a wide membership as it now enjoys. Quite often, people who have been in the hobby for many years change their area of interest. I've been traveling the airwaves and twisting dials since the 1930's when the first "world band" radios appeared. I've explored all the areas of SWLing and DXing. I'm not yet a "tech freak". On the other hand, I'm also not a "diehard SWL". It's important for every SWL or DXer to be informed regarding the rapid changes taking place in international broadcasting. And this is a need NASWA supplies most adequately. Congratulations!

Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610

It was good to see so many NASWA members at the Winter SWL Festival in Kulpville. The best gathering the hobby has to offer saw the entire Executive Council and many of the editors in attendance. I couldn't begin to count how many of our members I met during the weekend. At our "staff" meeting, Dr. Cones previewed preliminary survey results. An interesting discussion about the club and the Journal followed. It was a very productive session and one I hope we can repeat annually at the FEST.

Congratulations to club member and Asian Destinations editor Don Moore on being selected by ANARC as the North American DX'er of the Year. Don's contributions to the hobby over the years have been outstanding and deserve the recognition. Don's logs, QSL's, column, and feature articles have graced the pages of the Journal for a long time.

73 - RAD

Mike Agner, 6710 Ritchie Hwy, #F-236, Glen Burnie, MD 21061-2362

The Listening Post net is back! Subjects cover DC-daylight, including HF, DX, scanners (no amateur topics!). It can be heard on 8:00 PM Sunday on 147.03/224.96/447.725 repeater W3DiD. News/tips are welcome at 6710 F Ritchie Highway Box 236, Glen Burnie, MD. The Main Board at the Bordertech BBS (2394247) or packet (KASjjz@wb3ffv). Net Manager is me - KA3JJZ.

Addendum: NASWA members are encouraged to call (410) 761-1894 to submit logs or notes. There is voice mail; items will be accepted until 7:00 PM Sunday evening for airing that week.

73 Mike

WANTED: Zenith Trans-Oceanic Royal D7000Y in good condition.
I pay Air Freight. Peter Pompe, 38, Val du Prince, B-1950
Kraainem, Belgium. Fax 322/731.62.84.

Easy Listening

Richard D. Cuff
P.O. Box 4512
Timonium, MD 21094-4512
CompuServe: 73651,153
Genie: RCUFF
Internet: rcuff@memtec.com

Recharging The Batteries

It was great to see so many fellow program listeners at the Winter SWL Festival. After a frenetic pace at work during the winter, it was a marvelous break to spend a weekend chatting about the hobby. Thanks, as usual, to those with input on the *Easy Listening* column.

Program Topic Of The Month

I'll be starting a new section in the June *Journal* with comprehensive information on a specific program type. John Figliozzi, author of the newly-updated *Shortwave RadioGuide*, will help me with this section. I will provide advance notice of the programs each month, to enable member input for programs you regularly listen to. This section will only work if *you* contribute. Upcoming topics:

June: Business and Economic programs

July: Travel and Tourism

August: Sports

Shortwave RadioGuide Updated

John Figliozzi has just released the new hard-copy version of the *Shortwave RadioGuide*, the most comprehensive listing of program schedules of any publication I've seen. What's new this time is the imminent April release of the program schedule information on diskette in ASCII format. This will enable purchasers to set up databases, worksheets, or other means of storing and sorting the information. For instance, for this "Topic Of The Month" section, I'll be sorting information by program type. The *Shortwave RadioGuide* is jointly published by NASWA and ODXA and is available from the NASWA Company Store.

BBC World Service for the Americas

While I didn't receive my April *BBC Worldwide* in time for the *Journal*, I did receive a copy of the new Americas schedule at the Winter SWL Festival via the ODXA's Harold Sellers who received it from the European DX Council's Michael Murray direct from London. John Figliozzi E-mailed me the other day with word that *BBC Worldwide* North American subscribers should be receiving their copy around April 3rd.

Several observations and notes on the new format:

— The service runs 24 hours daily, even when there are no broadcasts beamed towards North America. This is for those using the satellite feed for rebroadcast.

— The only edition of Newshour directly targeted to North America is the 1300 edition. The other daily edition, at 1900, is targeted to South America only.

— There will likely be times when the other BBC regional services should be easily heard in North America. The African service should be audible North American afternoons, and the European service should be audible afternoons and evenings. Not having seen the schedules, I would speculate that the news programs are the same for all services, in much the same way the Voice of America operates.

To conserve space, I have only included the schedule for shortwave transmissions targeted to North America. Please contact the BBC at the usual Bush House address for copies of the other schedules. As in the past, the BBC provides a pamphlet showing a region's frequency and program schedule; the pamphlet I saw for the Americas appears to be more comprehensive than previous versions.

I will have some notes on the new news programs, *Newsday*, *Britain Today*, *Seven Days*, and *East Asia Today*, in the *May Journal*.

Time	Days	Program
00:00	S M T W R F A	Newsdesk
00:30	S	Letter From America
	M	Good Books
	T	Folk Routes
	W	Classical Music Feature
	R	From Our Own Correspondent
	F	Farming World
	A	Seven Days
00:45	S M T W R F A	Britain Today
01:00	S M T W R F A	Newsdesk
01:30	S	People & Politics
	M	Composer Of The Month
	T	Omnibus
	W	Andy Kershaw
	R	Assignment
	F	Focus on Faith
	A	Network UK
02:00	S M T W R F A	Newsday
02:30	S	Classical Music Feature
	M	Meridian Reports
	T	Discovery
	W	Feature
	R	Meridian Documentaries
	F	Drama
	A	Meridian Books
03:00	S M T W R F A	News
03:09	S	World Business Review
	M T W R F	World Business Report
	A	World Business Brief
03:15	S M T W R F A	Sports Roundup
03:30	S	From Our Own Correspondent
	M	Quiz/Light Entertainment
	T W R F A	World Today
03:45	T W R F A	Development '95
	A	Global Concerns
	S W R F	Feature
04:00	S M T W R F A	Newsdesk

Time	Days	Program
04:30	S	Science In Action
	M	Living World
	T W R F A	Outlook
04:45	M	Health Matters
05:00	S M T W R F A	Newsday
05:30	S	John Peel
	M	Feature
	T	Multitrack Hit List
	W	Megamix
	R	Multitrack Express
	F	Andy Kershaw
	A	Multitrack Alternative
06:00	S M T W R F A	News
06:15	S	On The Move
	M	Concert Hall
	T	Classical Music Feature
	W	Popular Music Feature
	R	A Jolly Good Show
	F	Country Style
	A	From the Weeklies
06:30	S	Meridian Reports
	T	Feature
	W	Meridian Documentaries
	F	Meridian Books
	A	People & Politics
07:00	S M T W R F A	News
07:15	S	Global Concerns
	M	Feature
	T	Greenfield Collection
	W	Health Matters
	R	Jazz Now & Then
	F	Feature
	A	Music Review
07:30	S	Jazz For The Asking
	W	Anything Goes
	R	Network UK
08:00	S M T W R F A	News
08:09	S M T W R F A	Words of Faith
11:00	S M T W R F A	Newsdesk
11:30	S	In Praise Of God
	M	Comedy/Light Entertainment
	T	Drama
	W	Folk Routes
	R	Classical Music Feature

Time	Days	Program
11:30	F	Focus on Faith
	A	People & Politics
11:45	W	Feature
	R	Learning World
12:00	S M T W R F A	News
12:09	S	World Business Review
	M T W R F	World Business Report
	A	World Business Brief
12:15	S	On Screen
	M	Anything Goes
	T	John Peel
	W	Vintage Chart Show
	R	Classical Music
	F	Feature
	A	New Ideas
	A	A Jolly Good Show
12:30	S	On The Move
12:35	F	Waveguide
12:45	S M T W R F A	Sports Roundup
13:00	S M T W R F A	Newshour
14:00	S M T W R F A	News
14:05	S	Feature
	M T W R F	Outlook
	A	Sportsworld
14:30	M	Omnibus
	T	Health Matters
	W	Country Style
	R	Network UK
	F	Feature
14:45	T	Popular Music Feature
	W	Good Books
	F	Farming World
15:00	S M T W R F A	News
15:05	S	From Our Own Correspondent
	A	Sportsworld
15:15	S	Book Choice
	M	Feature
	T	Greenfield Collection
	W	Feature
	R	Learning World
	F	Concert Hall
15:30	S	Comedy / Light Entertainment
	W	John Dunn
	R	Megamix
16:00	S M T W R F A	News
16:05	A	Sportsworld

Time	Days	Program
16:15	S	Meridian Reports
	M	Feature
	T	Folk Routes
	W	Meridian
	R	Documentaries
	F	Sports International
	F	Meridian Books
16:30	T	Feature
16:45	S M T W R F	Britain Today
17:00	S M T W R F A	News
17:09	S	World Business Review
	M T W R F	World Business Report
	A	World Business Brief
21:00	S M T W R F A	News
21:09	S	World Business Review
	M T W R F	World Business Report
	A	World Business Brief
21:15	S	Concert Hall
	M T W R F	World Today
	A	On Screen
21:30	M T W R F	Off The Shelf
	A	Global Concerns
21:45	M	On The Move
	T	Feature
	W	Country Style
	R	From Our Own Correspondent
	F	Farming World
	A	Letter From America
22:00	S M T W R F A	Newsdesk
22:30	S	In Praise Of God
	M	Multitrack Hit List
	T	Megamix
	W	Multitrack Express
	R	Sports International
	F	Multitrack Alternative
	A	Play Of The Week
23:00	S M T W R F	News
23:05	S M T W R F	East Asia Today
23:30	S	Short Story / Seeing Stars
	M T W R F	Outlook
	A	John Dunn / Play of the Week
23:45	S	Write On
23:55	S	Words Of Faith

73 de Richard



Shortwave Center

Hans Johnson
7529 Red Cravat Court
Columbia, MD 21046
CompuServe: 73042.3644
Internet: 73042.3644@compuserve.com

The following originally appeared in Pampas Dxing where it was translated by Julian Anderson. Radio Naylamp's current frequency is 4549.5 khz and they can be heard around 0000 UTC.

Focusing on...Radio Naylamp, Lambayeque, Peru

by Dr. Juan Grande Vargaz

Radio Naylamp broadcasts from the city of Lambayeque, which is known in Peru as the "Cradle of Liberty" on 4300 khz. The station's name comes from a regional God named "Naym-Lap" who emerged from the shores together with a retinue of beautiful ladies, the God's most important task was to teach men the labors of farming and fishing, and many other useful activities; he taught men how to work, that's why we have chosen his name for our station, because we feel identified with hard work.

Our station's official name is "Radio Naylamp E.I.R.L. i.e. Investing Enterprise of Limited Responsibility, and those slogans which you will usually hear on the air are "Escuchenos y comparenos, somos Radio Naylamp, la diferente", that is, Listen to us and compare, we're Radio Naylamp, the different one; "Llevame contigo, soy Radio Naylamp"-Take me with you, I'm Radio Naylamp, or "Quedese con nosotros, somos la radio que te acompaña, Radio Naylamp"-Stay with us, we're the radio that keeps you company, Radio Naylamp. As a matter of fact we use a wide variety of slogans, as our "Equipo de Produccion" is always renewing our spots so as to make our transmissions more varied, but these three have been kept through the years.

We have no official callsign on shortwave, as we still haven't got a license for shortwave. We're broadcasting on a "testing" status. We are on the air from 0900-1500 and 2200-0100 daily.

Our address is Avenida Huamachuco 1080, Primer Piso, Laybayeque, Peru and the phone number is + 51-7428-3353.

I am the owner of the station and I work as a surgeon in the Chiclayo City Medical Center.

Our programming is mixed, but as it is usually beamed to common people it is simple and basically musical, but also some religious services and newsreels/messages programs may be heard, particularly for those who live in mountainous areas in the inland. We also cover sports and cultural events, thanks to recently-acquired wireless mobile units.

The shortwave transmitter is home-made and has a power output of about 1 kW. The shortwave antenna is right next to our studios. At the studios we use two decks and two turntables (both Technics brand) and 3 Sennheiser microphones.

Our first day of transmission was November 7, 1986. We have received several reception reports particularly from Northern Europe, they are welcome and will be personally replied by myself (as a matter of fact I enjoy receiving reception reports, and we could say that this is the only reason I keep shortwave active, as it isn't commercially profitable). Any Dxer or SW listener interested in visiting our station will also be most welcome, even if I'm not in town, the station's personnel are instructed to do so.

This next column appeared in Current, the AWR newsletter.

The Voice of Turkey

The Voice of Turkey began broadcasting on shortwave on 10 December 1938 with a 20 kW transmitter and the identification "Shortwave Ankara Radio." The programs included a 15-minute news bulletin in English, French and German. In 1949, Arabic, Romanian, Farsi, Bulgarian, Urdu, Polish and Greek were added, and in 1950, Spanish.

The broadcasting department was responsible for the broadcasts. In 1953 the station assumed the name The Voice of Turkey and a 30-minute Turkish program was added twice a day for Turks living abroad. Other programs were successively added in Serbo-Croatian, Hungarian, Italian and Pushti.

When Turkey sent troops to fight in the Korean War, a daily program called "The Soldiers Hour," was aired from October 1950 to July 1953. Other languages were added and others removed (Italian and Spanish). At present, the station broadcasts in 15 languages, but one can hope that they will become 17 as before.

In an interview broadcast on Radio Japan's DX Mediaroundup, Semra Eren, director of VOT for more than 20 years, said to interviewer Ian McFarland that the station intended to restore the Italian and Spanish services.

The VOT increased its power to 100 kW in 1950 and now broadcasts from Ankara with two 500 kW transmitters and three 350 kW transmitters, which permit excellent reception of the broadcasts.

The programs begin with a news bulletin, followed by spots on information, economics, tourism, and culture, such as "The magnificent Istanbul," the "Anatolian Civilization," the life and deeds of the founder of the Turkish Republic, Mustafa Kemal Ataturk. On Wednesdays VOT broadcasts "Letterbox," and on Saturdays "Dx Corner." The program editor is Semra Eren, from whose interview I obtained part of the information for this article.

Every year the VOT organizes an "Easy Contest" in which the winners receive a free 10-day holiday, including a visit to the historic areas of Turkey. The stay ends with a visit to the VOT studios in Ankara.

The station verifies reports with nice QSL cards. Write to: VOT, P O Box 333, Yenisehir, Ankara, Turkey. (Editor note—see Tom Sundstrom's column for their latest schedule.)

Jamming—The Dark Side of Transmission

by Riamantas Pleikys.

This first appeared in World Broadcast News and was provided to the Contact shortwave publication by Jack Fitzsimmons. Much thanks to Richard "Quake" D'Angelo for providing this.

One significant result of the end of the Cold War is the end of radio broadcast jamming that was carried out by the Soviet Union with mixed effectiveness since the end of World War Two. Powerful transmitters with antenna arrays on towers in many locations inside and outside the USSR sought out the frequencies of Western stations—medium wave as well as short wave—to prevent reception. It was an expensive under-

taking. Experts say that operating a jamming transmitter for a specific territory can cost up to seven times more than what is needed to bring a radio program into the territory. Through the years, such stations as Radio Liberty and Radio Free Europe learned tricks to fool the jammers. At the same time, the Soviets' techniques were becoming more sophisticated.

Short wave jammers were of two types, short range (groundwave type intended to cover big cities) and long range jammers, ionospheric types with directional antennas. The jamming program was intense. From the June 1986 period, when the Cold War was relatively calm, more than 95% of Voice of America broadcasts into the USSR that were monitored were found

to be jammed. Of the Radio Liberty broadcasts, almost 100% were jammed. In that same period, stations in Europe, North America and the Middle East reported that their national broadcasts experienced interference as a result of jamming directed at other broadcasts. This information was provided by the International Frequency Registration Board of the ITU.

This result is not surprising, considering that in Lithuania, one of the smallest ex-Soviet republics, as many as five jamming stations were in operation. Each had 10 to 15 transmitters, 5 kW each. Their effective range, groundwave propagation, was 30 to 40 km. Other powerful jammers were used for blocking out large territories by "shooting" into the specific region from great distances from 500 to 3000 km with transmitters ranging from 50 to 500 kW. Despite the blanket of jamming stations, listeners who thoroughly monitored the dial could often find "holes" in the jamming barriers. There were tricks. For example, the station then known as Radio Beijing used to change its frequencies slightly during the broadcast, leaving the jammers behind. Radio Liberty used to make two or three minute pauses on the hour. Jamming operators who checked the bands at that time would find nothing on a certain frequency, sometimes leaving the channel unblocked for an entire hour. At other times, jamming stations simply transmitted randomly in order to use up their electric power allotment.

Around 1978 the Soviet invented and began using the "rechepodobny" signal, or speech like

signal. Its advantage was that it conformed to a human voice's timbre. The signal, which used to be played back from an open reel tape recorder, was composed of Radio Moscow's announcers. One more method was invented just before the end of the jamming era. By means of the directional SW antenna, the program of the jammed radio station was received. The audio signal was transmitted by cable to a special electronic device, which distorted the signal and sent it to the jamming transmitter. Thus, it seemed as if Radio Liberty, for instance, was blocking itself out. When the Soviet Union collapsed, some low power jammers, especially in the Baltic states, were dismantled. One such jammer, which was installed after World War Two in a synagogue of the Lithuanian port city of Klaipeda, was returned to the synagogue. In Russia, many former jamming transmitters are leased to Western broadcasters to relay their programs for Asia. Other have been acquired by private commercial stations. In Vilnius, one shortwave jamming transmitter was returned to medium wave and leased to the commercial radio station Radio Centras. Thus broadcasters in Eastern Europe have seen the conversion from jamming to radio broadcasting, hoping that the jamming stations will sleep forever.

People always talk about the country of Nibi Nibi. Here is some background. This first appeared in the May 1973 FRENEX and I would like to thank Richard "Quake" D'Angelo for providing it.

Nibi Nibi Hoax or Satire?

by John Callarman

When any two Dxers get together, if they talk long enough, they get to some of the "legends of DX"...and one of the most repeated legends is the Nibi Nibi story.

The storm over a phony report to the Deutsche Welle Dx bulletin in 1958 about a radio station on the non-existent South Sea island of "Nibi Nibi" may have blown it out of all realistic proportion, taken on its own merits. An examination of the history of the Nibi Nibi "hoax" leads to the conclusion that if anyone else than the actual author of the Nibi Nibi "tip" had been involved, it may very well have been brushed off

as clever satire. Because the Dxer involved had engaged in other, far-more devious Dx activities, there was no hesitation on the part of the "Dx Establishment" to "drum him out of the lodge" for the PROVABLE offense.

I played a central role in this enforced DX-ile, and while I do not take the hobby quite as all-important seriously as I did then, I probably would act the same way now, given the same set of circumstances.

Before we examine "Nibi Nibi" itself, a couple of background notes—In 1958, shortwave editor Kenneth R. Boord was publishing a circular letter (five copies, or circuits, of three to six

Dxers mailing Boord's compilation of reports chain-letter fashion.) One of the key contributors was a long-time Dixer who was working for the Foreign Broadcast Information Service, an arm of the CIA, stationed on Cyprus. Because he was in top-secret duty, he requested that his name and location be kept secret—so he was known publicly as "Middle East Correspondent". A few people in the Dx establishment knew the name he'd Dxed under in "civilian" life—even fewer knew his full, Greek name from which is shorter Dx name derived.

In the summer of 1958 I returned to the States from Army duty in Germany, became one of the editors of the Universal Radio Dx Club bulletin and took off one day for a six-week tour of the West that included many visits with Dxers.

Another URDXC editor, Rolan Kunkel of Redlands, CA, had received, shortly before my visit, a page-long report from "Southern California DX Correspondent", otherwise unidentified, postmarked San Diego. The report consisted of about 8 or 10 "tips" of a satirical nature, exotic catches, program descriptions similar to Middle East Correspondent's material. I could not recall if reference to Nibi Nibi was made in this particular report, but the "tips" were "Nibi Nibi-like". Kunkel recognized the typewriter and the general style of presentation—the excessive use of hand-stamps, for example—as that of a Dixer I'll call "David X. King". I compared "Southern California Dx Correspondent's" report with the one received from King last and came to the same conclusion.

King's residence was on my list of Dxers to visit (Bill Flynn had specifically suggested that I visit him) and it certainly was an interesting evening. A perusal of his QSL-collection produced many observations, among them, these:

1. A letter from Radio Brazzaville criticizing him in no uncertain terms for his bad manners in writing continually nasty letters about the way they QSLed.

2. A letter from a 500-watt Japanese medium wave station saying, "This verifies your reception of JO--. It's too bad you didn't send any program details so we could check them against our log."

3. A letter from Radio Bahrain, 610 khz, 10 kw (a frequency occupied by a 24-hour-a-day, 7-days-a-week Californian) verifying a follow-up report of July reception, saying the original report was never delivered.

4. A QSL card from Sender Freies Berlin, 566 khz, then 5 kW, with no blanks filled in which D.X. King told me was sent in response to his request for a sample QSL. (Later, King reported a S.F.B. verie to the QSL section of the DWDXB.)

These and many other similar "verifications" in his large collection convinced me he had perfected several techniques for extracting verifications without going through the hard work of hearing the station.

When Deutsche Welle Dx Bulletin editor Horst A.C. Krieger published the "Nibi Nibi" item, attributed to the otherwise unidentified "DED5, Southern Californian Dx Correspondent", it was subsequently picked up as at least "possibly real" by other DX bulletins. My initial reactions were two-fold: 1) that David X. King had sent his satirical tips to Krieger and 2) that Krieger had been a little careless in running the item straight-faced without some question (or some laughter).

Another quirk—the name of the verie signer for Nibi Nibi was phonetically similar (though not 100% correct, spelling-wise), to the real name of "Middle East Correspondent", indicating a Dixer with at least some "inside knowledge" of the hobby's personalities—knowledge that David X. King was known to have.

I still believe that the DX hobby world overreacted to Nibi Nibi.

Many Dxers and editors were fooled, accepting the tip at face value and later were particularly angry at the hoax. One long-time phony Dixer was caught, actually claiming reception in a report to another club bulletin.

From several different sources came evidence that D.X. King had perpetrated "Nibi Nibi". Dick Labate, then editing an Odds and Ends column in the NNRC bulletin, had a reference from King to Nibi Nibi that was mailed well before the DWDXB was published, to cite one example.

I wrote King, suggesting that indeed Nibi Nibi wasn't really that important, but his manner of obtaining QSLs was. I suggested that all the effort he put into fabricating reception reports could have been constructively spent in genuine listening and information-gathering for various clubs—that the glory-seeking accumulation of verifications from impossible catches only served to eliminate any possibility of acceptance of any legitimate achievement he might attain. I offered him the opportunity of confession to the inner circles of the hobby and a fresh start... but the response was to deny all and to scoff at the entire situation. He claimed all his verifications were legitimate, and that he had nothing to do with Nibi Nibi. When Horst Krieger turned to the German police and they proved that Southern California Dx Correspondent's Nibi Nibi report had been typed on the same typewriter and by the same typist as David X. King's reports, his identity became public knowledge... and his name never showed again in Dx publications.

Nibi Nibi is quite a legend—but there have been other satirical items appear that haven't caused the stir Nibi Nibi did. Maybe it was its seeming acceptance at face value by the DWDXB editor that was really responsible for the subsequent hassle and the ultimate legend.

The larger moral, though, can be drawn from D.X. King's overall activities, divorced from "Nibi Nibi". And that is this—a verification is only as good as the word of its recipient.

Afterword by Hans Johnson

Mr. Callarman may have a point, but I have enjoyed receiving my verifications and looking at them from time to time. I also enjoy making cassette recordings of my catches that I still find fun to listen to from time to time.

Our next item appeared in the May 1994 issue of Contact and I want to thank Richard D'Angelo for providing it.

Reliable Shortwave Communications—A matter of Life and Death in the Antarctic Winter

The only German winter station in the Antarctic, the Georg van Neumayer, is on the Ekstrom ice shelf at 70 degrees 39 minutes South, 8 degrees 15 minutes West and is enclosed in gigantic protective steel pipes. It was built in spring 1991 at a location in the Antarctic which is just ice shelf. A steep cliff 10 to 15m high forms the boundary between the shelf and the sea. Hurricane force blizzards rage for a third of the year and during the long winter nights the temperature plummets to almost minus 50 degrees C. The nine person team, which usually has to endure 15 months at the station, records earthquakes, investigates the Earth's magnetic field, makes meteorological observations, which are used on a daily basis, and collects and analyses trace gases and other chemicals from the atmosphere. Some of the team are there to take care of technical backup, communications with home and other Antarctic stations, provisions and medical care at their isolated base.

For about ten months in the year, from March to December, the station is completely cut off from the outside world. The nearest research stations are hundreds of kilometers away and glaciers which are full of crevassed stop the teams visiting each other. Over this period, radio is the only way of contacting the outside world. As radiocommunication is of utmost importance for both the scientific work and the emotional well-being of the team, only the very best is acceptable.

No station built on the ice will last forever. The glacier flows twists and squashes the building and tons of snow, accumulated over the years, presses down inexorably on the station. Even if the station is enclosed in protective steel pipes, the deformation process can only be slowed down. The Neumayer Station, therefore, had to be abandoned after 11 years because the steel pipes were so deformed and had been punctured in a number of places by the immense pressure. Safety could no longer be guaranteed.

Observation in the Antarctic means long term observation. The Alfred Wegener Institute had already started planning a replacement station in 1990. The institute is dedicated to polar and marine research and runs four other stations in the Antarctic, these however are only used in the summer months. The construction of the new Neumayer station started in the antipodean summer of 1991/2 about 8 km south of the old site. Over 2000 tons of building materials were transported to the Antarctic in a specially chartered ship. The new station was constructed by a consortium of German companies in two months and is about twice as big as the old one. The station proper is housed in a 270m long low temperature steel pipe with a diameter of 8m arranged as a double T. Most of the station components are accommodated in sixty 20 foot containers prefabricated and assembled in Germany. Power is provided by two 90-kVa diesel generators. Water is obtained from a snow-melting unit. Many essential technical and scientific facilities have back-ups as obtaining spares and replacing them is impossible during the long period of winter isolation. The two main pipes which are linked by the large transverse pipe and a small connecting pipe in the middle section can be used as self contained survival areas if there is an emergency. In the Antarctic an emergency usually means fire. Although all conceivable precautions are taken—from the use of non-flammable materials to effective fire protection and alarm systems—it is not possible to obtain 100% protection against fires. The absolute air humidity in the Antarctic is extremely low, which means the flammable materials like paper and wood are bone dry.

Communications play a key role in the day to day running of the station and in the scientific work. Without good communications meteorologists and geophysicists could not make contact or transfer data. Effective communications are also essential for the smooth running of the station, medical emergencies and to alleviate the emotional problems caused by isolation. Communication, therefore, means regular contact with home and the institute as well as daily contact with other stations. The facilities include satellite communication as well as HF,

VHF and UHF radio links. While VHF and UHF are short range communications and calls to ships and planes, HF is for international communication and communications with other Antarctic stations, which is of particular importance. Contact can also be maintained with field stations and overland expeditions.

As the station was being rebuilt it was an excellent opportunity to bring its technology up to date. Two 1 kW HF transceivers XK859 from Rohde and Schwarz were used for HF communications. The transceiver in microprocessor controlled and is suitable for use as a fixed base station, a mobile land station or sea borne station. It can handle both simplex and half duplex links. Add-on modules are available to provide fast data communications. The ALIS processor makes it possible to use adaptive radio techniques. The transceivers are designed for round-the-clock operation and have always been extremely reliable. The transmission frequency range is 1.5 to 30 mhz and the reception range is .4 to 30 mhz. The system also includes a VLF-HF receiver EK085 which is used as a general purpose communications and monitoring receiver. Apart from standard radio communications the receiver can pick up teletype and weather map transmissions. Even an option for receiving satellite pictures is available. Thanks to microprocessor control both instruments, the transceiver and the receiver are easy to operate. As the equipment is easy to upgrade, the constantly changing conditions of the Antarctic can be accommodated with a minimum of effort—the extreme ruggedness of these instruments being a prime requirement. The use of a log periodic antenna AK 471 has considerably improved HF communications. The antenna, which can be rotated, guarantees excellent medium and long-haul communications which, for the most part, are not affected by the time of day or season. The antenna can easily handle blizzards where wind speeds exceed 120 km/h. The new instruments provide HF communications of a quality that has never been attained before. (Article in News from Rohde and Schwarz 2/93 written by Dr. Heinz Konen, head of logistics at the Alfred Wegener Institute via Jack Fitzsimmons.) 

Listener's Library

T. J. "Skip" Arey WB2GHA
P.O. Box 644
Waterford Works, NJ 08089
America Online: TJAREY
Internet: TJAREY@AOL.COM

Well another Kulpsville fest has come and gone. A good time was had by all. If you didn't make the scene this year, start making plans for next year. You won't want to miss it!

It's probably been a few months since I reminded anybody of the fact that we can learn a lot of useful information from our amateur radio brothers and sisters. Lots of shortwave listeners like to do their monitoring in frequencies down below 7 MHz in the world of the "Tropical" bands. The "Low Bands" present a special set of issues to the dedicated DXer. Hams have had tons of experience in making their 40, 80 and 160 meter bands work for them. Experience that translates well to our own 60, 75, 90 and 120 meter bands of interest. If this is an area of appeal for you, you may want to check out the following book.

ANTENNAS AND TECHNIQUES FOR LOW-BAND DXING

by John Devoldere ON4UN
393 pages
\$20.00

American Radio Relay League
225 Main Street
Newington, CT 06111

John Devoldere is one of the living legends in ham radio. His accomplishments in the area of low band contesting and DXing are without equal. His book on the subject brings the reader all of his over thirty years of experience with the radio hobby.

Face it folks, conditions stink right now. Until the sunspot cycle swings around once again, we all need all the help we can get. John's book is an important tool.

The book begins right where it should, with a complete study of low band propagation.

John takes the subject apart and looks at all the facets of this important subject. He looks at the importance of time and location, atmospheric activity, magnetic disturbances and seasonal idiosyncracies. This section includes coverage of ON4UN's Propagation Programs (Information on purchasing these programs for modest fees can be found in the back of the book).

Make no mistake, this is a book written for hams. So a large amount of the information included is a study on low band transmitting antenna issues. Serious hams build some really big antennas to get the job done below 7 MHz. Even if you are not a ham, the information contained in these chapters is fascinating. There is an extensive chapter devoted to receiving antennas. This includes a study of small "magnetic" loop antennas that are just the ticket when you are pushing your listening down to the edges of the medium wave band. The chapter gives a lot of coverage to wire antennas. You will be hard pressed to find a more thorough study of beverage antenna systems. The information is comprehensive covering all aspects of antenna construction from matching transformers through ground systems. If you have the real estate to build such an antenna or if you are planning a DXpedition, the information included in this chapter is essential.

Vertical antennas tend to get short shrift by many radio monitors. Yet, vertical construction can often be the key to making your antenna system more esthetic in a neighborhood that might frown on your collection of longwires. Vertical antenna construction techniques are covered in great detail, including John's work on phased vertical arrays. These antennas offer great performance on limited property. An often useful solution in the low band world. Likewise, the often overlooked loop antenna

is given its due in its own collection of loop designs. For the more traditional folk, a chapter on Dipole construction is included. But if you are really adventurous, give a look at some the sections on steerable yagis and quads. Here we are talking about dream antennas that wouldn't just upset your neighbors, they would scare them away. Anyone for an 80 meter, three element yagi? It measures out to about 60 x 80 feet. I don't even want to think about what it takes to turn

If you are planing to attack the low end of the shortwave broadcast spectrum, or if you are a student of great antenna design. ON4UN's book belongs in your collection.

It seems to me that I have run across more radio and electronics dictionaries in the last year than I have in the last ten. The folks in the ham radio world have also come up with one.

AMATEUR RADIO ENCYCLOPEDIA

Stan Gibilisco WIGV

Editor in Chief

593 Pages

\$29.95

Tab Books

Blue Ridge Summit, PA 17294

ISBN 0-8306-4096-7

If you recall back a few issues, I reviewed another Stan Gibilisco's dictionary, The Illustrated Dictionary of Electronics. Stan was an Assistant Technical Editor for QST magazine and was President of Engineering for International Electronics Systems, Inc. before going off on a full time writing career.

The Amateur Radio Encyclopedia covers the full spectrum of electronic terminology with a particular slant toward the needs and wishes of radio hobbyists, specifically hams. If you're relatively new to the radio hobby. You have probably heard folks tossing around terms that still don't register for you. Likewise, if your monitoring includes "reading the mail" on amateur frequencies, you will find they have what seems to be a language all their own, complete with their own set of acronyms, slang and abbreviations. Having a dictionary of this type around goes a long way toward

easing you into the subject matter.

Stan's style goes beyond that of more traditional dictionary editors. Each word is not simply defined, but the subject is fully explained and cross referenced. The subject matter is up to date, including full referencing of the latest digital techniques. Where necessary, illustrations, graphics and pictures illuminate a subject.

The Amateur Radio Encyclopedia would make a great gift for someone who just passed their Novice or No-Code Technician's ticket.

SHORTWAVE SIDELINES

Speaking of ham radio, I recently completed my amateur radio experience by upgrading to Extra Class. The process wasn't nearly as painful as I thought it would be. This was made possible by computer assisted learning tools. If you have a mind to get a ham license or to upgrade to higher privileges, let me tell you about the resources that worked for me.

GGTE MORSE TUTOR GOLD

Version 2.0

for IBM PCs and Compatibles

\$30.00

Available from

American Radio Relay League

225 Main Street

Newington, CT 06111-1494

203-666-1541

I've always had a tough time with code. I'm just not wired right for it. I had a lot of the common fears associated with pushing my proficiency up to the 20 words per minute needed to get the Extra. Morse Tutor Gold took me gently by the hand and brought me up to speed so easily that I found myself constantly checking the speed calibration because I could not believe I was really copying as fast as I was. I used this program to bring my speed up by 1/2 word per minute each week using the Farnsworth Method of code study. The ability to vary the speed incrementally makes it possible to overcome all of the traditional walls associated with

learning code from tapes. The latest version of this software also supports Sound Blaster compatible sound cards for improved volume and tone control. If you have avoided upgrading because of the code, you no longer have any excuses.

For the theory portion of the test, I could not scare up a commercial extra class theory program so I went the shareware route. I'm glad I did because I was able to locate a great resource that rivals any commercial package I've ever run across.

David Barker K7OMA

*GIIZ Engineering
78-6997 Mamalahoa #K
Holualoa, HI 96725*

Dave's software can be found on many computer bulletin boards. I located his extra class package under the title EXTRAPOL.ZIP. His software is also available for all classes and current question pools. Registration fee is \$10 (state disk size

when ordering). This brings you disks for any two classes of license you are interested in. So you can get the disks for your current area of study and the next for less then it costs to take your significant other to a movie without the popcorn.

What you get is a no nonsense exam drill program complete with graphic representations of the schematic and pictorial questions you will find when you head out to your VE testing site. Just load this puppy up and test yourself relentlessly until you've got the question pool down cold.

So what are you waiting for folks. Get with the program and you can join in on all the fun on the ANARC SWL Net on Sunday mornings.

BY THE WAY

In the February Journal I told folks about W7FG Vintage Manuals as a great source for books on used equipment. They can accept orders and questions via the Internet at: 76142.2011@compuserve.com

FOR SALE: Hallicrafters Communications Receiver manufactured in 1942. Needs minor repair to be in working condition. Please contact Myron Perera, 66 Largewood Ave., Tolworth, Surbiton, Surrey KT6 7NY, England. Phone (44) 81 397 0437.

WANTED: I am looking for the following receivers. ICOM R-1, IC2SAT, IC4SAT. SONY ICF-SW1S, ICF-SW100S, ICF-SW55. JRC NRD-505. Dave McLaren, P.O. Box 665, Sheffield, IL 61361.

The Shape of Things To Come

In the recent series of articles on receiver design and specifications, we briefly discussed the importance of filter "Shape Factor" on receiver selectivity. I am happy to relate this month a new development from the research engineers at the NASWA Laboratories to improve the selectivity of our next-generation radios. While the patent application is being prepared, I can't provide specific details on how this astounding improvement in receiver performance has been accomplished. But I have been authorized by the NASWA Board of Directors to reveal certain enhanced performance characteristics this exciting development will bring to short-wave radios.

We'll begin with a short review of conventional filter wisdom and the definition of shape factor. When the bandwidth at the -6dB points is compared to the bandwidth at the -60dB points, you get a figure of merit that describes how fast the filter skirts roll

off. This figure of merit is called the "shape factor". The shape factor (SF) is calculated according to the following formula:

$$SF = BW(-60dB) / BW(-6dB)$$

In this formula the term BW represents the filter bandwidth at the two reference levels.

An ideal filter was previously thought to have vertical sides with the same bandwidth at -60dB as at -6dB. The shape factor of such a filter would be 1. The closer a receiver selectivity shape factor is to 1, the better the ability to reject adjacent channel signals. The filter skirts obtained by the use of Digital Signal Processing (DSP) technology as in the Watkins-Johnson HF-1000 approaches a shape factor of 1. Figure 1 shows the relationship graphically.

Figure 2 shows the shape factor of a practical hardware filter. As an example if the -6dB bandwidth is 2 KHz, and the -60 dB

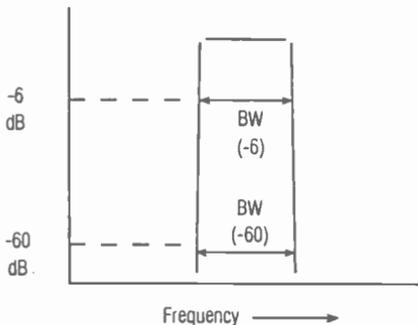


Figure 1 The shape factor of an ideal IF filter is "1" reflecting the same bandwidth at the -6 and -60 dB points.

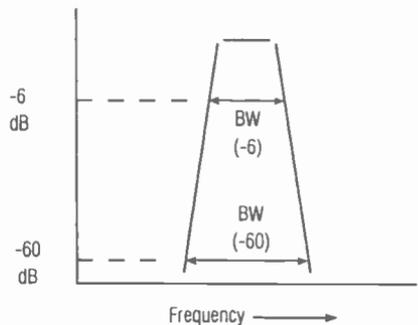


Figure 2 The shape factor of a real hardware IF filter is typically 1.5.

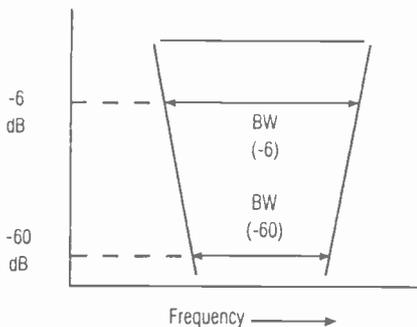


Figure 3 The shape factor of the new IF filter implementation in DSP technology is less than "1".

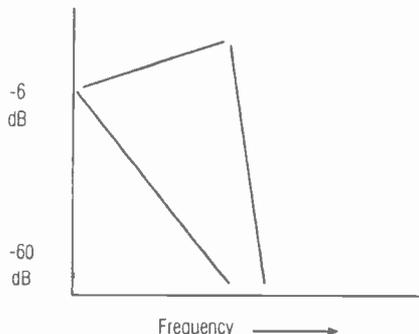


Figure 4 NASWA's DSP IF filter implementation can become unstable if the shape factor is too low.

bandwidth is 3KHz, the shape factor is 3/2 or 1.5—not ideal but certainly pretty good.

Now that you understand the concept, lets get on with the description of this new development. The NASWA engineering staff, working in their secret mountain-top laboratory overlooking the Pennsylvania Turnpike and the King of Prussia Mall, have found a new algorithm which causes the WJ HF-1000 DSP to exhibit a shape factor which is less than 1. Figure 3 depicts the concept.

At high signal levels the bandwidth is wide - just the ticket for program listening to strong stations. As you move down the sides of the filter, the skirts actually narrow the farther down you go. This kind of response is ideal for DXing the weak stations in a crowded band of high power broadcasters.

How did they do it? What are the specific algorithms used? That level of detail will have to wait for the patent disclosure documents* which are currently being prepared.

There is a practical limit to just how narrow the skirts can be made to converge. If the skirts are made too narrow, the filter becomes unstable just as a table with legs close together is less stable than a table with legs far apart. The result of an unstable filter is shown in Figure 4. If the filter went unstable in the

opposite direction, total collapse would have resulted.

NASWA's Directors intend to use royalty income from the licensing of this technology to receiver manufacturers for a fund which will permit the elimination of dues for all NASWA members. The catch is you have to be a member on the date the program is officially announced. If you are not yet a NASWA member, or if your renewal is coming up, sign up quickly. Once the program is officially announced, it will be too late.

Excess income will be deposited into an escrow account to fund establishment and maintenance of permanent stations in rare DX countries. NASWA may also become QSL manager for selected rare stations in the same manner as ODXA provides this service for CFRX in Toronto.

The possibilities are endless. If you have any ideas about how to spend all the money that is going to come rolling in, drop a line to the editor. You could see your idea published in the NASWA Journal. All ideas become the intellectual property of NASWA and none may be returned.

Until next time, stay tuned.



* At press time we received word that the patent application was filed on April 1, 1995.

Equipment Review

Alan Johnson N4LUS
2490 Sharon Way
Reno, NV 89509
CompuServe 76665,1756
GEnie A.JOHNSON64

THE MFJ-784 SUPER DSP FILTER

DSP (Digital Signal Processing) is the latest buzz in technology, thanks to smaller and cheaper microprocessor integrated circuits. In a nutshell, DSP consists of sampling the frequency and amplitude of an analog signal (such as the audio output from a radio) many thousands of times per second. Each sample is then converted to a digital "number" by an analog-to-digital converter. The resulting stream of digital data can be manipulated by the microprocessor as dictated by its program algorithm, which is stored in memory. With the proper programming, the microprocessor can (within limits) recognize meaningful signals, i.e. intelligence, from noise and subtract the noise from the signal. The microprocessor can also be programmed such that parts of the signal that are higher or lower than a chosen frequency can be rejected as well, yielding a high- or low-pass filter. Once the digital information has been processed, it is converted back to an analog signal which can be passed to a speaker or headphones.

Up to now, DSP has primarily been applied to audio signals, such as compact discs for the home audio market. In the radio field, JPS Communications and Timewave Technologies have developed outboard audio filters for hams and SWL's. The Watkins-Johnson Co. has applied DSP technologies to radio signals in their premium HF-1000 receiver. MFJ has now entered the DSP field with their MFJ-784 DSP filter. What made this product appealing to me was its relatively low price - \$219.95 - and the fact that its filter parameters are continually adjustable, unlike the other products on the market that provide set bandwidths and center frequencies (in fairness, I will point out that the JPS NIR-10

does provide a shift control to vary the center frequency of its bandwidth filters).

FEATURES GALORE!

MFJ packs a lot of capabilities in a box that's nine inches wide, six inches deep and two and a half inches tall. There is so much to describe that the interested reader may want to refer to a picture of the MFJ-784 in a catalog or advertisement to follow along with the following description. There are five rotary controls on the front panel: a ten position switch selects between the five tunable filters and the five preset data filter modes, two knobs allow for frequency adjustment, one knob adjusts the amount of noise reduction and the remaining knob is the volume control. The ten position switch also selects among up to ten user programmable preset filter settings when the front panel "FILTERS" switch is depressed. There are other front panel switches for power, bypass, automatic or manual notch, custom filter programming and automatic gain control.

The built-in audio amplifier delivers 1.2 watts into a 6 ohm load and the input impedance is 10 Kohms - some receivers may require a "dummy load" resistor paralleled across their audio output to work properly with the MFJ-784. The overall audio frequency response of the unit's audio amp is 250 to 3500 Hz - this amplifier is completely bypassed when the power switch is off (i.e. the speaker used with the filter is connected directly to the receiver). The signal processing chip used is an Analog Devices ADSP-2105, which has a 16 bit data word and runs at 12 MHz. The power required is

10-16 volts at 350 milliamps - MFJ sells the optional MFJ-1315 power supply for \$14.95.

PICK A FILTER, ANY FILTER

The MFJ-784 offers an almost bewildering array of filter options, which are chosen by the ten position switch. Position one is a low reject/high reject filter. In this mode, the two tuning knobs adjust the low cutoff between 200 and 2200 Hz and the high cutoff from 1400 to 3400 Hz. The filter slopes are incredibly steep, with an attenuation of 60 dB just 74 Hz away from the filter passband. This is one of the real advantages of DSP filters - very sharp filter cutoffs without "ringing" or distortion of the audio signal. This is where the term "brick wall" that you'll see in the advertising copy comes from. Position two selects a bandpass filter - here the left tuning control sets the center frequency between 300 and 3400 Hz and the right knob sets the filter bandwidth from 30 to 2100 Hz. This filter yields 50 dB of attenuation at 60 Hz removed from the passband. Position three allows for two variable center frequency bandpass filters with the bandwidth being the last bandwidth setting used in switch position two. Position four is a bandpass filter optimized for CW reception with the center frequency adjustable from 300 to 1000 Hz and bandwidth variable between 30 to 700 Hz. Position five selects a SSB bandpass filter with a variable bandwidth of 1000 to 2500 Hz, centered between 600 to 1700 Hz. The remaining switch positions from six to ten select factory preset filter parameters for data modes: RTTY, HF Packet, AMTOR, PACTOR and SSTV/WeFAX/FAX. The Mark/Space frequencies for these filters can be selected by internal jumpers.

TIRED OF TURNING KNOBS?

One of the truly unique features of the MFJ-784 is its ability to memorize filter parameters. For instance, once an optimal setting of one of the tunable filter modes is obtained, these settings can be assigned to one of the ten switch positions by pressing the "CUSTOM" button, rotating the switch to the desired memory position and then pressing the

"Program" pushbutton. Then, this particular filter setting can be returned to with a flick of the ten-position switch. This is handier than it might seem at first, since there are no numerical reference marks for the filter frequency knobs - just "hash marks". I can see where these presets could be particularly useful for those who want to set up dual bandpass filters (switch position three) for data modes or for different center frequencies or bandwidths for CW.

EVEN MORE MODES!

In addition to the modes listed above, there are the notch filters and the noise reduction filter. The notch modes will not work with the preset data modes, however. The automatic notch will notch out up to four tones over the range of 250 to 3500 Hz and provides a sharp 50 dB of attenuation of those tones. The manual notch provides 40 dB of attenuation with a bandwidth of 275 Hz at -3 dB and 85 Hz at -40 dB. The two front panel frequency controls adjust each manual notch from 150 to 3400 Hz. When the manual notch filter is selected the tunable or custom filter setting in use prior to pushing the "Notch On" button is remembered and active. The noise filter provides up to 20 dB of reduction of static, white noise, power line noise, ignition noise and hiss. The AGC button activates a circuit to maintain a relatively constant audio output level from the filter as the input signal level varies.

USING THE MFJ-784

Hooking up the MFJ-784 is very easy - connect the unit's input to the speaker or headphone output of your radio, connect an external speaker to the filter and apply a power source. There is an input level control on the back of the unit which may need to be adjusted if normal volume control settings on the radio cause distortion when the filter is in use. This adjustment is done by ear - it would be much nicer if there was an LED indication of input overload, such as is found on the JPS units.

Once power is applied and the filter is in-line, the capabilities of the MFJ-784 can be explored. This requires some degree of patience and experimentation, but that's the

price to pay for such a versatile piece of equipment. The selected filter settings can be compared to unfiltered audio by pressing the "Filter In-Out" pushbutton. Be warned, however, that even with the filter bypassed the frequency output of the filter is limited by the frequency response of the audio amplifier, which begins to cutoff at 3500 Hz. I found this somewhat disconcerting, as it makes music somewhat muffled. To get true "radio only" audio, the power to the MFJ-784 must be turned off, which connects the speaker directly to the radio. Turning the power back creates a brief interruption of the signal as well as some switching transients. When the filter is in-line, some phenomenal signal processing is available. CW signals can be brought out of the "mud" and made to sound like a pure tone. The sharp skirts of the Low Reject/High Reject filter allow for rejection of the garbage lying outside the audio passband of a signal without losing too much of the intelligibility of the signal. However, this works best for voice signals but makes music sound very muffled. Although I did not test the data mode filters, I think I can safely assume that they would work as well as the CW filtering, since such signals basically consist of single-tones.

I was less impressed with the automatic notch filter and the noise reduction filter. The auto notch failed to notch out heterodynes encountered on the international broadcast bands, probably because these heterodynes were outside the frequency range covered by the auto notch. The manual notch was very

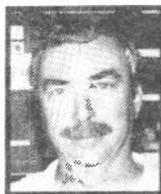
good, on the other hand. Its notch is very sharp, which requires a slow and steady hand to tune, but once the heterodyne is notched, it is completely gone. Also, I did not find the noise filter to be very effective, although at present, I don't think any noise filter could help in my RF noise environment. The noise filter was fairly effective against static crashes, ignition noise and high-frequency hiss, but did nothing for the high-level, broadband power-line noise or VCR hash at my location. I could detect very little change as I adjusted the noise reduction level knob through its range. I especially disliked the large volume change that occurred as the noise filter was switched in and out. In addition, the noise and notch filters can only be used in conjunction with the other filter modes - they cannot be selected alone.

All in all, the MFJ-784 DSP filter offers a lot of capability for a very reasonable price. It is not for those who want DSP audio filtering at the push of a button, as it does take some effort to optimize not only the filter settings but the radio's volume control as well to get the input level set correctly. However, once an effective filter setting is found, it can be stored in memory for instant recall. I think the MFJ-784 is better suited for hams and utility listeners, rather than SWL's. For those applications it works very well, but for listening to international shortwave broadcast programming, my personal preference would be for the JPS NIR-10 with the optional SWL filter bandwidths.

FOR SALE: Shack clean-out! Equipment, books, magazines, club bulletins, tapes, station momentos, and miscellany. Full list for an SASE with two units of postage. G. Dexter, 213 Forrest St., Lake Geneva, WI 53147.

NASWA Portraits

Jerry Klinck
43 Lein Road
West Seneca, NY 14224



Welcome to the first "Portraits" of 1995. Finally received someone's profile after a four month drought. If we are to continue this column, it's now or never to send in those profiles. And now, off we go to beautiful Iowa for a visit with none other than **Don Moore** ...

"I got started in shortwave in my hometown of Milesburg, PA, just as I was entering ninth grade. All my favorite TV shows had been canceled and I was as mad as could be at the networks. Looking for something to do, I noticed that our kitchen radio had a strange "SW" band covering 3-12, whatever that meant. I took it to my room and began tuning around. I found HCJB, R. Netherlands, BBC, S. Africa and Canada. I was hooked. When my mom got tired of going to my room for the radio, my parents gave me a larger radio with 3 SW bands, for Christmas. Two years later I moved up to a Barlow-Wadley XCR-30.

"Although I did a lot of SWLing, I also got into DXing very quickly, sending my first tropical band reception report to R. Barquisimeto, Venezuela, less than a year after starting in the hobby. I soon joined the SPEEDX club and was an active contributor. By the time I graduated high school, I had over 150 countries heard and a couple dozen Latins QSLed. However, when I started college in 1975 I no longer had time for SW so I put my QSLs, SW books and receiver away in a closet.

"Three years later, romance, or the lack of it, brought me back. After breaking up with a girlfriend I was looking at a rather boring summer of '78 alone and decided the solution was to get back to DXing. Within a week I had gotten all my SW stuff from home and re-subscribed to SPEEDX. I sent a notice to a couple of clubs looking to contact other DXers in the area and was soon in touch with several other college-age DXers in Central Pennsylvania. We soon founded our own club, the infamous "Three Mile Island DX Association". We held regular all-night DX sessions at various members' homes. It was at this time that I joined NASWA. The TMIDXA drifted apart in the early 1980s when we all

graduated from college and found jobs. Dave Valko is the only other member to have stayed in the hobby.

"In January, 1982, I was off to Honduras as a Peace Corps volunteer with a Yaesu FRG-7 in my carry-on luggage. Latin America DXing had always been my main interest, but experiencing it first-hand made it even more so. I moved back to the US in 1985, but since then I have made several trips to Latin America. { Those last two sentences could have been written by fellow NASWAn Frank Orcutt, as well. You two should get together for one heck of a rag chew! -ed. }

Looking back on it, the evening I noticed that odd band on the kitchen radio totally changed the direction of my life. Shortwave gave me an interest in things foreign, which led me to study Spanish harder and then join the Peace Corps. In the Peace Corps, I met my wife, another Peace Corps volunteer. My interest in international people and things led me to get an M.A. in TESL (Teaching English as a Second Language) in 1987-89 so I could teach students from around the world. Today I teach ESL and occasionally shortwave listening at a small college on Davenport."

Thanks for the visit Don, and would you say you owe it all to those TV networks? hi

I must add an addendum here, as Don was kindly responsible for seeing to it that yours truly received a coveted QSL from R. Valera in Venezuela. Seems while he was visiting the station recently, my report of several months ago surfaced, unanswered. Don saw to it that my prepared card was signed and sealed and then he hand carried it and some other goodies back to the States and mailed them to me. Mil gracias, mi amigo! Your consideration is appreciated... shows you're not only a great DXer, but a good guy as well!

That's it from here and there. I hope to receive YOUR story in the mail real soon, so we can keep this section of the Journal alive. Till next time. good luck, good health and good listening!

Listener's Notebook

Al Quaglieri
PO Box 888
Albany, NY 12201-0888
CompuServe: 75122,74
Internet: alcue@globalone.net

Chris Lobdell
PO Box 146
Stoneham, MA 02180-0146
CompuServe 75720,253

STEP RIGHT UP to LN's "Spring Madness" housecleaning sale! Our shelves are bulging with excess merchandise! Everything must go!

HEY, MANY THANKS to all who responded to my incessant whining last month! The blessed Samaritans include Ed Rausch, Scott Walker, David Yocis, Benton Owsley and Diane Levesque. I look forward to your combined efforts to keep LN afloat!

COPYRIGHT NOTICE Items credited to BBCM are copyright by the BBC Monitoring Service and may not be reproduced without BBCM permission.

ALBANIA As of 26 March, *Trans World Radio* (TWR) will start using shortwave transmitters in Albania. TWR will use the shortwave transmitters for broadcasts in Armenian, Czech, German, Hebrew, Hungarian, Kurdish, Persian, Polish, Russian, Slovak and Ukrainian. A variety of frequencies will be used at various times of the day. (BBCM) [No frequencies/times mentioned. Please don't complain to me about this, dear readers. I'd include the info if I had it. I print frequency-less items for their general background value, and will continue to do so unless you all gang up and beat me up about it.—AQ].

ANGOLA The United Nations intends to open a radio station in Angola as part of the UN Angola Verification Mission. No date was given, but the Angolan government agrees with the idea. (BBCM)

ANTARCTICA Re the minor storm levels in the shortwave press about the reactivation of *AFAN McMurdo* on 6160:

AFAN 6160 and *Nacional Arcangel* 15476v both untraced while dxing in Chilean Patagonia. (ROC via Monferni Play Dx)

My brother spent three years in Antarctica at the British Antarctic Survey's Faraday base on the Antarctic Peninsula. They never heard *AFAN*. HF radio is very unreliable down there. Faraday by the way is a geophysics station; they have a lot of sensitive receivers. (23-Feb/Richard Hunt—England/Internet)

Graham Barclay of *Kiwi Radio* would like it made clear that he did not invent the [*AFAN* reactivated] story. He got his information from two phone interviews he did with a radio operator at McMurdo. (Lobdell) [I promise to get to the bottom of this—AQ]

ARGENTINA R del Plata 6477 1030 (WOR)

Sked for *Radiodifusion Argentina al Exterior* (RAE,) from 05 March:

1000-1100	Japanese	11710
1100-1200	Portuguese	11710
1200-1400	Spanish	11710
1800-1900	Spanish	15345

1900-2000	English	15345
2000-2100	Italian	15345
2100-2200	French	15345
2200-2300	German	15345
2300-0100	Spanish	9690 15345
0100-0200	Spanish	15345
0100-0200	Portuguese	11710
0200-0300	English	11710
0300-0400	French	11710

(Gabriel Ivan Barrera)

AUSTRALIA Radio Australia M95 sked, Draft Version (effective from 05 March 1995):

0000-0030	French	9580 9660 13755 15240 15365 15510 17795 17860
0000-0100	English	13745
0000-0500	English	17750
0000-0730	English	13605
0030-0100	English	9580 9660 15240 13755 17795
0030-0400	English	15510
0030-0600	English	15365 17860
0100-0400	English*	17715
0100-0630	English	17880 Sa/Su
0100-0630	English*	9580 9660 15240 15245 17795
0100-0730	English	15415
0400-0430	Chinese	15510
0400-0500	Chinese	17715
0430-0500	English	15510
0500-0600	Khmer	15510 15530
0500-0630	English*	17715
0600-0700	English	15510
0600-0900	English	15530
0630-0800	English	15245
0630-0900	English	5995 6020 6080 17715
0630-1200	English	9580 9860
0730-0900	English	9710
0800-1100	English	21725
0800-1130	Indonesian	6145 9560 9770
0900-1030	English	9510 13605
0900-1130	English	7240
0900-1200	Tok Pisin	5995 6020 6080 9710

1030-1200	Chinese	9510 13605
1100-1300	English	15530
1100-1430	English	9615
1130-1230	Khmer	7150 7240 9770
1130-1430	English	9560
1200-1330	Chinese	6060 6080 9710 11660
1200-1630	English	5995 11800
1230-1300	Thai	7150 7240 9770
1300-1330	English	9510
1300-1430	Cantonese	7240
1300-1430	Vietnamese	7150 9770
1330-1430	Cantonese	6060 6080 9510 9710 11660
1430-1630	English	6080 9770
1430-1700	English	9710 11695
1430-1800	English	9615 11660
1430-2100	English	7260
1430-2130	English	6060
1630-1900	English	6090
1630-2100	English	9860 11880
1630-2130	English	6080
1700-2030	English	11695
1700-2100	English	9580
1800-0000	English	11660
1900-2100	English	6150
2100-0000	English	9580 9660
2100-0030	Indonesian	15415
2100-2200	English	11695
2100-2300	English	9645
2100-2300	Indonesian	6150
2130-0000	English	15365 17860
2200-0000	English	13755 17795
2200-0030	Indonesian	11640
2200-0100	English	11855
2200-2300	BBC	11695
2200-2300	Chinese	9850 13605
2300-0000	English	11695
2300-2330	Chinese	15240
2300-2330	Thai	9645 9850
2330-0000	English	9645 9850 13605 15240

* English during the week, with sport on Saturday (27-Feb/Andreas Volk—Germany)

BANGLADESH *Radio Bangladesh*, Dhaka; can be heard in English at 1230-1300 on 9548 and 13615 kHz and at 1745-1845 on 7190 and 9683 kHz. (Weltweit Horen, Germany/06-Mar/Jan Nieuwenhuis—Neth./BDXC)

BELGIUM Belgium shifts one hour. NA sked daily 1300Z (Su 1230Z) on 13670, 2330Z on 9925. (WOR #787/Scott Walker)

BOLIVIA R. *Nuevo Mundo* 3170 is to start here, *R Guanay* 4765 is still active, 5995 *R Loyola* sked is 1000-1900 with 1.5 kW, unid Bolivian 5899 2345 (ROC via Monferini Play Dx)

R. Mauro Nunez 4950 NS located in Santa Cruz. (Krone Play Dx via Johnson)

R. Fides, 9625, fading up around 1054 with religious talks, time pips sponsored by the Banco Nacional at 1100. Programming mostly religious talks and

news. Good until around 1130 when it started to fade. (Lobdell 3-17).

CANADA Canadian Domestic Shortwave station *CHNX/6130* has returned and sounding better than ever. The ol' Marconi transmitter signed-off involuntarily several months ago for the last time....in spite of some strong T.L.C.. As a result, many bad rumors off *CHNX's* demise were created. One of *CHNX's* caretakers reveals that *CHNX* is operating on a fairly recent vintage Harris 1 kW transmitter, totally solid state. At the present time, they are only operating the exciter section while they build the amplifier section of the transmitter. Current power is 28 watts. This may be a great opportunity to log one of North America's lowest powered stations until the full powered service is restored. It is somewhat distorted but that WILL change with the new audio chain they are building. The engineer said that *CHNX/6130* will sound better than ever when they are finished. When the final amplifier is ready, they'll operate at half throttle (500 watts) to the level prescribed on their license. I recommend strongly that you write to *CHNS/CHNX* to thank them for bringing this much beloved station back to the air. They in turn would be grateful. (14-Mar/Peter Q. George)

CENTRAL AFRICAN REPUBLIC *Bangui* 5035.28 2200 and by s/off 2300 drifted up to 5035.34. (Sundstrom 3/10)

CHINA *Yunnan PBS*, 4759.75, dropped down in frequency; noted in CC around 1115. (Valko, Jihad DX #24) Should make *Port Blair* easier to hear. (Johnson, Ibid).

CIS Radio Nadezhda in Russian:

0300-0700	6045 9575 9730 9815 11965 12010
0700-1100	6045 7160 9575 9730 9775 9850 11965 12005 12010
1100-1500	6045 6185 7160 9575 9730 9775 11965 12010
1500-1700	6190 7260 9580 9815 11855 12005 12015 17675
1700-2200	6015 6190 7260 9580 9815 11855 12005 12015 17675
0300-0700	7305 9525 9835 11660 11740 15460
0700-1100	9835 11660
1100-1500	7355
0700-1100	7160 9490 9525 9645 11630 11705 11965
1100-1500	7160 9490 11630 11705 11965
1500-2100	6015 7160 7255 7355 11705
0700-1100	9490 9525 9645 11630 11665 11965 15175
1100-1500	9490 9525 9645 11630 11665 11965
2000-2400	7370

(24-Feb/Konstantin Gusev—Russia)
Kamchatka Radio, Petropavlovsk-Kamchatskiy:
 0000-1600 Russian 4485
 1800-2400 Russian 4485
 (BBCM)

Magadan Radio:

0000-2400 Russian 9600 9530 7320 5940
 0900-1200 Russian 9600 9530 7320
 1200-2400 Russian 9600 9530 7320 5940

(BBCM)

Sakhalin Radio, Yuzhno-Sakhalinsk:

0000-1600 Russian 11840 4050
 1800-2400 Russian 11840 4050

(BBCM)

Vladivostok radio, Second Program:

0300-0400 Russian 5015
 0800-1200 Russian 5015
 1215-1400 Russian* 5015 810
 2010-2100 Russian 5015
 2110-2200 Russian 5015
 2210-2300 Russian 5015

* Relay of Radiostantsiya Tikhyy Okean (BBCM)

Radio Pamyat

1500-1630 Russian 7380

(BBCM)

Radio Alef.

1700-1800 4055 5935 12075 17890 Tu/Th/Su

(Nikolai Rudnev—Russia/ADXN)

Radio Kala Aturaya:

1600-1700 5935 12075 17890 Sa

(Nikolai Rudnev—Russia/ADXN)

The *Voice of Russia* "DX Club" program on 26th February reported that *Radio 7* in Samara [on the Volga] broadcasts in the languages of the ethnic groups living in the region on 6130 and 9550 kHz shortwave. The report noted that *Radio 7* in Samara had nothing to do with the station of the same name in Moscow. (BBCM)

The following is from a QSL reply By *Universelle Welle* (a German based "station" relayed by one or more *Radio Moscow* transmitters in Russia):

"Reports are now coming in from all over the world—for example, Japan, Australia, Scandinavia, Africa, India, North and South America."

They broadcast "*Das Wort, the kosmische Welle*" (The Word, the Cosmic Wave) in English every Sunday at 1630 UTC on 4740, 4795, 5935, 7115, 7205, 7330, 7350, 7390, 9775, 9800, 9890, 11825, and 15320 kHz; and every Monday at 0330 UTC (mainly for North America) on 5905, 5940, 7105, 7165, 7180, 7270, 7345, and 9859 kHz.

"The material used in the programs for *Das Wort* is often based on the literature and principles of *Universelles Leben* (Universal Life), a community of faith that has built up in Germany, Europe and over much of the world over the past 20 years."

They encourage reception reports to: *Universelle Welle*, Postfach 5643, 8700 Wurzburg, Germany (Richard A. D'Angelo)

TWR now uses yet another site inside Russia: Petropavlovsk-Kamchatskiy, on the Kamchatka Pen-

insula. Transmitter is 250 kW, used for a half-hour daily program beamed toward China. (BBCM) [No frequencies/times mentioned—AQ]

Armenian Radio, Yerevan, sked of First Program: 0200-2000 6065 4810 4040

All in Armenian, with relay of *VOA* Armenian from 1500-1600 (BBCM)

Araks Radio Agency (Radio Yerevan)

0900-0930	Armenian	15370 15275 Su
0930-0945	English	15370 15275 Su
0945-1000	French	15370 15275 Su
1530-1600	Azeri	7480 4990 4810 Mo-Fr
1600-1645	Kurdish	7480 4990 4810
1645-1700	Turkish	7480 4990 4810 Mo-Fr
1645-1715	Turkish	7480 4990 4810 Sa/Su
1700-1715	Georgian	7480 4990 4810 Mo-Fr
1715-1745	Russian	7480 4990 4810
1745-1800	English	7480 4990 4810
1800-1900	Armenian	7480 4990 4810
1900-1930	Persian	7480 4990 4810
1930-2030	Arabic	7480 4990 4810
2030-2230	Armenian	7480 4990 4810
2230-2300	Armenian	9480 7480
2300-2330	Armenian	11970 11920 9685
2300-2315	English	9480 7480
2315-2330	French	9480 7480
2330-2345	English	11970 11920 9685
2345-0000	Spanish	11970 11920 9685

(BBCM)

Moldova's *Radio Pridnestrovye* has launched a half-hour shortwave service in Russian, sked 1500-1530 on 7520 kHz. (12-Mar/R. Japan/BBCM)

CLANDESTINE-AFRICA Radio Free Somalia identifies itself in Somali as "*Voice of Free Somalia*" ("*Idaacada Madaxa Banaan ee Somalia*") and in English as "*Radio Free Somalia, broadcasting from northeastern regions, Gaalkacyo*".

1000-1200	Somali	7215
1200-1215	English	7215
1230-1300	Somali	13820
1600-1700	Somali	3920
1700-1715	English	3920

(BBCM)

CLANDESTINE [non]-AFRICA Voice of Oromo Liberation (VOL), hostile to the Ethiopian government, broadcasts via *WHRI*, Indiana. Sked highly variable. 1600-1645 Oromo 13760 Su/Tu/Fr (BBCM)

CLANDESTINE-ASIA BBCMS reports "*Voice of Kashmir Freedom*" from Pakistan with some EG mixed with other regional languages from 0230-0330 and 1430-1530 on 5750 AM and 5300/6300 USB. (WOR #787/Scott Walker)

V. of Kashmir Freedom 5300.04U 0221-0300+ Tentative reception with threshold sub-Continent vocals. I couldn't pull out an announcer, but definitely heard traces of music. Severe QRM from RR # Station at 0300. Tnx tip on DXPL.(Grace, DC 2/27)

CLANDESTINE-CENTRAL AMERICA *Radio Rebelde* of the "Government in Transition in Rebellion" in Chiapas is asking the National Commission for Democracy in Mexico, USA (NCDM, USA), to gather resources for their mobile radio station. NCDM, USA offices are at: 601 N. Cotton Ste. A-103, El Paso, TX, Ph/Fax: 915 532-8382, e-mail: moonlight@igc.apc.org (07-Mar/DEVEMEDIA list/Don Moore). The US contact person with the Chiapas clandestine stations "*La Voz de Chiapas Libre*" and "*La Voz de Guatemala Mayan*" has advised them to use 7415 or 7465 kHz (+- 5 kHz) for any transmissions. He has issued 4 QSLs for them so far, but doesn't expect them to be audible north of Mexico. (WOR #787/Scott Walker)

CLANDESTINE-MIDEAST Since 24th February *Voice of the People of Kurdistan*, the radio station of the Patriotic Union of Kurdistan, has been observed to broadcast on an additional frequency in the 4100-4200 kHz range. In addition to the station's regular channel around 4085 kHz it is now also heard on the new frequency of 4015 kHz. Programming on the two frequencies is in parallel.

Broadcasting by *Voice of the People of Kurdistan* has been extended recently, in connection with the upsurge in military activity in Iraqi Kurdistan. For example, on the night of 6th-7th March the station was observed to continue broadcasting until 0115 (0415 local time). It was also heard to continue broadcasting past midnight on 8th-9th March. The station normally closes much earlier in the evening.

Broadcasts also continue to be heard from the rival Kurdish station, *Voice of Iraqi Kurdistan* (operated by the Kurdistan Democratic Party). This has been broadcasting according to its usual schedule with transmissions at 0345-0500, 1030-1200 and 1545-1815, although the duration of broadcasts is subject to variation. The station is currently heard on around 4180 kHz, its normal frequency. The station announced on 6th March that its morning broadcast was on the 75 and 49 meter bands [i.e. around 4 and 6 MHz] whilst its afternoon and evening broadcasts were on two frequencies in the 75 meter band.

Voice of the Struggle of Iranian Kurdistan (Kurdish: *Dangi Khabati Kurdistanî Iran*) was observed on 26th February with a broadcast in Kurdish starting at 1500 on 4355 kHz. During the broadcast the station's transmitter switched to 4345-4350 kHz, presumably to avoid a jamming signal which affected reception. The broadcast was heard until 1635 but the exact sign-off time could not be determined because of poor reception. (BBCM)

COLOMBIA *La Voz de las Islas* from San Andres is back with its 2200 kHz harmonic, sked seems to be 1100-0203. San Andres island is a Colombian island off the coast of Central America. (23-Feb/Don Moore)

La Voz de la Colina, Risaralda, heard on 3200 kHz around 2230 UTC with fair signal broadcasting music. ID as: "*Estan en la sintonia de la estacion feliz, La Voz de la Colina, ahora con mas musica...*". According to H. Klemetz the address of this station is: Avenida San Joaquin 1-09, Salida a San Jose, Risaralda, Caldas. (03-Mar/Manuel Rodriguez—Venezuela)

Radio Catolica Nacional is once again active on 3579.84 Khz. best times would be around 0230 hours.... they would like to remind listeners that they are not affiliated with *Radio Catolica* in Quito Ecuador. As the station has received Reception reports that is intended for them. They also reported this to be a pirate station (05-Mar/HCBJ DX Party Line/Benton Owsley). Correct address is Cuatro Esquinas, San Carlos, Tuquerres, Depto. de Narino, Colombia. (R. McVicar via Nick Grace). Thanks to fair reception on January 23/24th, I can now reveal the true location and other data related to this Colombian pirate, which has been active on and off during the past years, and logged as far away as in Sweden. Its location is in San Carlos located about 1 km northeast of the town of Tuquerres in Southwest Colombia. The DJ has mentioned the station is a substitute for the memorable *R. Zaracay* that used to operate from Santo Domingo de Los Colorados in Ecuador. (Klemetz, Play DX #825)

R. Cocorna 5932.7H 1045 located in Antioquia. (Klemetz Play Dx via Hans Johnson). Correct Address is: Cuatro Esquinas, San Carlos Tuquerres, Depto. de Narino Colombia. (Trx Nick Grace for info McVicar via Lobdell)

COSTA RICA RFPI: Although we have been experiencing some problems with our transmitter which normally operates on 15150, we are trying to keep it up on schedule.

49m: 6200 1200-0000
41m: 7385 2100-0800
31m: 9400U 24 hours
19m: 15050 1200-0000

(19-Mar/Robert Houston, RFPI)

TIAWR Costa Rica 13750 EG sked: 1100-1300, 1900-2000, and 2300-0100Z daily, also Sa-Su 1700-1800Z. (WOR #787/Scott Walker)

CROATIA Croatian Radio's First Program is now being relayed on shortwave with this schedule:

0200-0600	5895
0600-0900	7370
0600-2000	7370
0700-1230	9830
0700-1430	5920
1230-1700	13640
1430-0700	5895
1700-2200	11635
2200-0200	7370

(BBCM)

CZECH REPUBLIC *Radio Prague* sked, effective March 26–September 23, 1995:

0000–0027	English	5930 7345
0030–0057	Spanish	5930 7345
0100–0127	English	7345 9405
0130–0157	Czech	7345 9405
0200–0227	Spanish	7345 9405
0230–0257	Czech	5930 7345
0300–0327	English	5930 7345
0330–0357	English	9480
0500–0527	French	5930
0530–0557	German	5930
0600–0627	English	7345 15640
0730–0757	English	15640
0800–0827	Czech	15640
1000–1057	German	6055 7345
1030–1057	English	7345 9505
1100–1127	French	7345 9505
1130–1157	Spanish	9505 11990
1200–1227	German	6055 7345
1230–1257	Czech	6055 15640
1400–1427	Czech	5930 13580
1430–1457	French	5930
1500–1527	German	5930
1530–1557	Czech	5930 17485
1600–1627	English	5930 17485
1630–1657	French	5930 15640
1700–1727	English	5930 15640
1730–1757	Czech	5930 15640
1800–1827	Spanish	5930 11640
1830–1857	French	5930 11640
1900–1927	Spanish	5930 11640
1930–1957	French	5930 11640
2000–2027	English	5930 11640
2030–2057	Spanish	5930
2300–2327	Spanish	7345 9405
2330–2357	Czech	7345 9405

(direct)

Radio Metropolis, a commercial station which began testing on shortwave a few months ago, is off the air domestically and, reportedly, internationally as well. Sources at Metropolis said that they hope to be back on the air soon, but had no details on when this might be; and declined to comment further. They said the situation would be more clear by March 24, 1995. (Radio Prague/Ralph Brandt)

CUBA *Radio Havana Cuba* is conducting its first spring equinox test transmission, beamed to Europe. The test will begin with a one hour daily SSB+ pilot carrier at -12 db, 30 kW pep. Antenna is a rhombic beamed to 037 or 041 degrees from Havana, estimated gain around 12 db. Sked is 2100–2200 (possibly to 2300) on 9820, relaying regular English to Europe (//11720). *RHC* will send a special QSL card for correct reports of this test. (20-Mar/Arnie Coro, RHC/George Thurman/Internet)

DENMARK *Radio Denmark* Summer sked Z95, thru 23 September, all programs in Danish and transmit-

ted via *NRK* Norway:

0030–0055	7275 7445 7480
0130–0155	7480 9560
0230–0255	9560
0330–0355	7165 9565 7480
0430–0455	7480 9480 9565 9595
0530–0555	9480 13800
0630–0655	7180 11850 13800 15175
0730–0755	7180 9590 13800 15175
0830–0855	21705 15220
0930–0955	17740 15220
1030–1055	13800 17840
1130–1155	7295 15345
1230–1255	9590 15170 13800 15345
1330–1355	9590 13800 15170 11850
1430–1455	11850 15620
1530–1555	11850 13805 15230
1630–1655	9590 11850 13800
1730–1755	7485 9590 15220
1830–1855	5960 13805 15220
1930–1955	7485 9590 13805 15220
2030–2055	7315 7485
2130–2155	7135 7315 9590
2230–2255	9480 9635 9635 9485
2330–2355	7275 7445 9485

(09-Mar/Erik Koie—Denmark) *Radio Denmark* is planning on instituting an English service in 1996. (BBCM)

ECUADOR Following is a survey of active HC stations from Takayuki Inoue nezaki's fine *Relampago DX*, March 1995. Additional items inserted by frequency and attributed to proper sources:

3249.7	<i>Radio LV del Triunfo</i> , Sto. Domingo de los Colorados: irreg.
3260	<i>Estereo Carrizal</i> , Calceta: 1100–0330v.
3279.8	<i>Radio LV. del Napo</i> , Tena: 0930–1100, 2200–0300
3285.4v	<i>LV del Rio Tarqui</i> , Cuenca: irreg
3289.9	<i>R. Centro</i> , Ambato: 24 h
3360.1	<i>R.dif. Catolica Cultural Voz del Upano</i> : 1800–0300
3580	<i>Radio Catolica Nacional</i> , Quito, around 0130 (03-Mar/Manuel Rodriguez—Venezuela)
4770.2	<i>R. Centinela del Sur</i> , Loja: 1100–1500, 1700–0300
4785.8	<i>R. Federacion</i> , Sucua: 1215–1800 in Shuar
4795	<i>LV de Las Caras</i> —Bahia de Caraquez reactivated, heard at 0144. (McVicar, Jihad DX #24).
4840	<i>R. Interocéanica</i> , Sta. Rosa de Quijos: 1130–1230
4850.9	<i>R. Luz y Vida</i> , Loja: 1100–1230, 2300–0300
4860	<i>R. Federacion</i> , Sucua: 2100–0100 Shuar, 0100–0300 SS
4870	<i>R.dif. Catolica Cultural Voz del Upano</i> , Macas: 1030–1600
4879.7	<i>R. Nacional Espejo</i> , Quito: irreg
4889.7	<i>R. LV de Saquisilí</i> : 1100–1500

4920 *R. Quito*: 1030-0500 (BBCM)
 4949.9 *R. Baha'i del Ecuador*, Otavalo: 0900-1500
 4960.9 *R. Federacion*, Sucua: 1100-1800 Shuar
 5010.3 *Escuelas R.fonicas Populares del Ecuador*, Riobamba: 0900-1400, 2200-0300
 5040 *R.dif. Catolica Cultural Voz del Upano*, Macas: 1030-0300
 5049.8 *Emis. Jesus del Gran Poder*, Quito: 0945-1500, 2300-0100
 5060.5 *R. Nac. Progreso*, Loja: 1000-0300
 5964.8 *R.dif. Catolica Cultural Voz del Upano*, Macas: 1800-0300
 5980 *R. Federacion*, Sucua: 1100-1800, 2100-0100 Shuar
 5999.3 *R.dif. Catolica Cultural Voz del Upano*, Macas: 1030-1600

HCJB sked:

0000-0030	French	12005
0000-0300	German	15250
0000-0500	Spanish	15140
0030-0430	English	9745
0030-0500	English	6205
0115-0130	Tajik	6205 Su-Th
0130-0147	Uzbek	6205 Su-Th
0130-0200	Spanish	11910 Fr/Sa
0147-0200	Russian	6205 Su-Th
0200-0400	Russian	6205
0400-0430	Georgian	6205 Su-Th
0400-0430	Russian	6205 Fr/Sa
0430-0500	German	6205
0430-0500	Japanese	9765
0500-0515	Kikongo	9765 Mo-Fr
0500-0515	Portuguese	9765 Sa/Su
0500-0530	Czech	6205
0500-0700	English	9745
0500-0700	Russian	9445
0515-0600	Portuguese	9765 Mo-Fr
0530-0600	Nordic**	15540U 6205 We/Fr/Sa
0530-0600	Portuguese	6205 Su-Tu, Th
0600-0630	German	15540U 6205
0630-0700	French	9420 6205
0700-0830	English	6205
0700-1130	English	6135
0730-0930	Portuguese	6125
0830-0900	Quechua	6080 3220
0900-1000	Quechua	6110
0930-1000	German	6110
0930-1030	Portuguese*	6125
1000-1330	Quechua	6110
1030-0504	Spanish	6050 690
1030-1130	Russian	9445
1030-1500	Spanish	11960
1100-1430	English	21455U 15540U 15115 12005
1130-1200	Japanese	15540U 9745
1200-1300	Spanish	9745
1430-2100	English	21455U 15115 6080
1500-0000	Spanish	15140
1500-1800	Portuguese	15540U 15295
1700-2000	English	15490

1800-1830	Czech	15520
1830-1900	German	15540U 15520
1900-2000	Arabic	15540U 15520
2000-2030	Nordic**	15540U 15520 We/Fr/Sa
2000-2030	Portuguese	15540U 15520 Su-Tu/Th
2030-2100	French	15540U 15520
2100-2130	German	15540U 11835
2100-2200	Quechua	6080 3220
2130-2200	Arabic	11835
2200-0300	Quechua	9745 6080 3220
2200-2300	Japanese	21455U 15540U 15295
2200-2300	Portuguese*	15355
2200-2300	Spanish	11835
2200-2300	Spanish	11835
2300-0300	Portuguese	15295
2300-2330	German	15250
2330-0000	German*	15250

Radio Transmundial **Nordic = Swedish, Norwegian or Danish

GERMANY Deutsche Welle in English, from 26 March:

0100-0150	6040A 6085M 6085 6145 9555 9640 11740E 11865M
0200-0250	7285 9615T 9640E 9690 11945 11965T 12045S
0300-0350	6085C 6185E 9615 9615E 9640A 11750M
0400-0450	6015 6185 7150 9765 11765
0500-0550	5960 5960E 6185A 9515 11705
0600-0650	11915 13790E 15185 15205E 17820T 17875 21680T
0700-0750	6015 9565E 6160A???????
0900-0950	11730T 12055I 15245 17715T 17780 21600 21680
1100-1150	17715 17765 17860E 21600
1600-1650	6170T 7225T 9875N 13690M 15595
1600-1650	17800 17810M
1900-1950	7170T 9670T 11785E 13690 13790
2000-2050	7170E 9615E 7115
2100-2150	7115 9670T 9765 11765 11785T
2300-2350	7235T 9690T 11705

A=Antigua, C=Sackville, E=Sines, I=Irkutsk, M=Malta, N=Novosibirsk, S=Samara, T=Trincomalee (07-Mar/Andreas Volk—Germany)

The *RVI* German-language program "*Hier Ist Bruessel!*" will be broadcast Monday to Saturday from a *Deutsche Welle* transmitter at Juelich on 7105 kHz at 0830 UTC. In exchange, *RVI* avail *DW* their medium-wave transmitter on 1512 kHz and their transponder on the Astra satellite to broadcast the *Deutsche Welle* half-hour Dutch-language program Monday to Saturday at 1400 UTC. (BBCM)

GREAT BRITAIN G9CDP is an experimental station broadcasting on both 1413 and 2404.5 kHz. It is running 1 watt into a new, 4-meter high antenna designed by Hatley Antenna Technology and Bessemer Broadcasting. They have a 12 month test & development license issued by Radiocomms Agency, a part of the Dept. of Trade and Industry. Signal

reports should be sent to: Bessemer Broadcasting, 52 Hampton Rd, Fir Vale, Sheffield S5 7AN, U.K. (21-Mar/Stephen Walters—UK). This experimental station is located at Chapel Green Community College in Sheffield, England. The station is licensed to test and develop small low frequency antennas and to celebrate Marconi's first transmission on 107 kHz in 1895. (K. Baird, DSWCI-March). According to SRS NEWS in Sweden, the English station on 2404.5 is QSLing by the name *Chapel Green Radio Amateur Society*, so add that to my report from yesterday. The name is not announced, but was on the QSL. (Lobdell)

Callsign of the new Guatemalan on 4780 kHz, "Radio Coatan", is *TGCT*. Operating at 1kw. (WOR #788/Scott Walker)

HONDURAS Radio Copan International sked: 1900-0200 Spanish/English 15675. (BBCM)

INDIA AIR, Delhi now using 9910 (ex 11860) and 13732 (ex 15185) kHz at 1945-2030 in French to Africa. (25-Feb/Cees van Oudheusden—Neth./Jan Nieuwenhuis/Benelux DX Club)

The winter mystery on 4775 with puzzling Christian programming, chime IS, and muffled ID at 1250 daily appears to be solved. And on March 10th after hymns, at 1220 I heard an announcement, along with the IS (drums and chant) with a definite mention of "Imphal." A note forwarded from Harold Sellers reads: "Today I received a copy of *AWR's WAVESCAN* script from 2-19. Included in Adrian Peterson's program was an item on the mystery station on 4775. Peterson says it is *AIR-Imphal*. He states this area is largely Christian with a large concentration of Seventh Day Adventists. When the Adventist ID anmt was heard by me once at 1200, it is probable that it was a locally-produced Adventist program on the air over the new *AIR* regional SW station in Imphal" Thanks Harold, David and Guy! (Ward, NU #1314)

AIR Thiruvananthapuram 5010 0045-0142 in the mud for the first 10 minutes, then suddenly fading up nicely. Trnx to Dave Valko for the tip. Get this now while *ERPE* is off for some reason or other. (10-Mar/McVicar)

INDONESIA RRI Pontianak noted on new 3976.75, there since 20-Jan per Tsutomu Kito et al in IDXR#84). Heard from around 1153-1215+. Seems likely 50 kW. Mar 11 (11-Mar/David Clark—Canada)

ISRAEL There are no new cutbacks on the new schedule and the interference-prone 7495 has been abandoned. Here is a NON-FINALIZED version of the *Kol Israel* schedule starting on April 1, 1995 (through the end of August, if I'm not mistaken).

0300-0700	Hebrew	11590 9388
0300-2200	Hebrew	15615 13755
0400-0415	English	9435 7465
0700-1900	Hebrew	17545
1000-1030	English	17575 15640 15650

1700-2200	Hebrew	11585
1700-2200	Hebrew	9388
1900-1910	English	11685 11605 9435 7465

plus either 9388 or 11585 overnight in Hebrew (07-Mar/Daniel Rosenzweig)

LATVIA Sked for *Latvian Radio* First Program (in Latvian): 0400-2300 on 5935. (BBCM)

LIBERIA ELWA hopes to have a 50 kW transmitter on the air by the end of this year. It's a 1937 vintage GE, a gift of *FEBC*. Although the antenna has already been erected, the transmitter will not be installed until the site is ready, programs are lined up, and qualified personnel are recruited. To that end, *ELWA* currently has job openings for a broadcast director and two broadcast engineers. (*ELWA's* Wafa Praise and Prayer/Marlin A. Field) [OK, big shots..who among you have the mettle to live your SWL hobby to the max?—AQ]

MALTA Voice of the Mediterranean, run jointly by Malta and Libya from studios in Valletta, using *Deutsche Welle* facilities at Malta.

0600-0700	English	9765 Mo-Sa
0600-0635	English	9765 Su
0635-0700	French	9765 Su
0700-0800	Arabic	9765
1400-1500	English	11925 Mo-Sa
1400-1435	English	11925 Su
1435-1500	French	11925 Su
1500-1600	Arabic	11925

(BBCM)

MEXICO Two recent reports of *XERMX* 9705 kHz in Sp, 1517Z and 0200Z. (WOR #788/Scott Walker)

MONACO TWR, Monte Carlo schedule valid as from 26th March:

0640-0805	English	7115
0640-0820	English	7115 Su-Fr
0830-0845	German	6230 7160
0830-0915	German	6230 7160 Su
1005-1020	German	6230 7160 Mo-Sa
1130-1155	English	7115 Su
1130-1200	English	7115 Sa
1330-1400	German	6230 7160
1930-2000	German	7160

(Cees van Oudheusden/06-Mar/Jan Nieuwenhuis—Neth./BDXC)

MONGOLIA Radio Ulan Bator is now using 13670 and 17900 kHz (ex 7290 and 13650 kHz) at 1930-2000 in English to EUROPE.(Weltweit Horen, Germany/06-Mar/Jan Nieuwenhuis—Neth./BDXC)

NEW ZEALAND Radio New Zealand International, sked valid until 6th May 1995:

0000-0500	15115
0500-0717	11900
0717-0800	9700 Mo-Fr
0800-1206	9700 Sa/Su
1207-1649	6100 (occasional sports broadcasts)

1650-1849 6100 Mo-Fr
 1850-2050 11910
 2050-2058 15115 Su-Th
 2058-2400 15115 Fr-Sa

(BBCM)

NORTH KOREA *Radio Pyongyang* in English:

0400-0450 15180 15230 17765
 0600-0650 15180 15230
 0700-0750 15340 17765
 0800-0850 15180 15230
 1100-1150 6576 9977 11335
 1300-1350 13760 15230
 1300-1350 9345 11740
 1300-1350 9630 13760 15230
 1300-1350 9640 13760 15230
 1500-1550 9325 13785
 1500-1550 9640 9977
 1700-1750 9325 13785
 1700-1750 9640 9977
 2000-2050 6576 9345
 2000-2050 9640 9977
 2300-2350 11700 13650

(DSWCI Shortwave News/Jan Nieuwenhuis/Benelux DX Club)

NORWAY *Radio Norway* sked to 23 September:

0100-0200 7480 9560
 0200-0300 9560
 0300-0355 7480 7165 9565
 0400-0500 9480 9565 7480
 0500-0600 9480 13800
 0600-0700 7180 11850 15175 13800
 0700-0800 7180 9590 13800 15175
 0800-0900 15220 21705
 0900-1000 15220 17740
 1000-1100 13800 17840
 1100-1200 7295 15345
 1200-1300 9590 13800 15170 15345
 1300-1400 9590 13800 15170 11850
 1400-1500 13800 15620 11850
 1500-1600 15230 13805 11850
 1600-1700 13800 9590 11850
 1700-1800 7485 15220 9590
 1800-1900 5960 15220 13805
 1900-2000 7485 15220 9590 13805
 2000-2100 7485 7315
 2100-2200 9590 7135 7315
 2200-2300 9635 9480 9485
 2300-2400 9485 7275 7445
 2400-0100 7480 7275 7315 7445

(22-Mar/Olav Mo Grimdalen, Frequency Manager)

PERU Following is a survey of active OA stations from Takayuki Inoue Nozaki's fine Relampago DX, March 1995. Additional items inserted by frequency and attributed to proper sources:

3230.2 *R. El Sol de Los Andes*, Juliaca:
 0930-0400, irreg
 3249.7 *Radio LV del Triunfo*, Sto. Domingo de los Colorados: irreg.

3260.1 *Estereo Carrizal*, Calceta, sked
 1100-0330v.
 3279.8 *Radio LV del Napo*, Tena, sked
 0930-1100, 2200-0300
 3329.6 *R. Ondas del Huallaga*, Huanuco:
 0930-0430
 3339.6 *R. Altura*, Cerro de Pasco: 1000-0400
 3397.4 *R. Internacional del Peru*, San Pablo:
 1000-0400
 3818.2 *Estacion Laser*, Rioja: 1000-0230v
 3829.7v *R. Tropical*: ??-2400
 3869.3 *R. Adventista Mundial*, Celendin:
 2330-0300
 4039.1 *R. Marginal*, Tocache: 1100-0300
 4300.1 *R. LV de Naranjos*: 2300-0300
 4319.4 *R. Condorcanqui*, Sta. maria de Nieva:
 2200-0300
 4418.2 *Frecuencia Lider*, Bambamarca: 1400-0300
 4460.8 *R. Nor Andina*, Celendin: 2300-0500
 4485 *R. Frecuencia VH*, Celendin: 2300-0400
 4505.1 *R. Horizonte*, Chiclayo: 0800-1400,
 2300-0500
 4510.2 *R. Paucartambo*: 0800-1500, 2100-0300
 4545 *R. Naylamp* says this is their new freq, ex
 4300. (Foster OZDX via HJ) 1000-1500,
 2300-0300
 4567.3v *R. Latina*, Chiclayo: 0900-0300
 4633.2v *R. Soledad*, 1034-1100. Freq varied a good
 bit as usual. (Valko 3/10) 1000v-0300v
 4747 *R. Huanta 2000*: 1000-1300, 2200-0100
 4763.3 *R. Chincheros*: 2300-0330
 4775 *R. Tarma*: 1000-0500
 4780.1 *Radio Bahia*, Chimbote: 1030-1300
 4790.1 *R. Atlantida*, Iquitos: 0900-0500
 4810.2 *R. San Martin*, Tarapoto: 0900-0400
 4824.4 *R. LV de la Selva*, Iquitos: 0950-0310
 4826.3 *R. Sicuani*: 1000-0300
 4834.7 *R. Maranon*, Jael: 1000-0300
 4840 *R. Andahuaylas*: 1030-0200
 4845 *R. Lider*, Cusco: 0900-0200
 4855.4 *R. La Hora*, Cusco: 1000-1500, 1700-0100
 4886.51 *R. Huanta*, 1056-1106 Freq steady from
 day to day. Tnx Tony Orr tip!! (Valko 3/6)
 4890.1 *R. Chota*: 0630-0100
 4895 *R. Chanchamayo*, La Merced: 1000-0300
 4904.8 *R. La Oroya*: 0930-0500
 4915.4 *R. CORA del Peru*, Lima: 0930-1500,
 2300-0500
 4935.1 *R. Tropical*, Tarapoto: 1000v-0400
 4953.05 *R. Madre de Dios*, Pto. Maldonado:
 1000-0200
 4955.1 *R. Cultural Amauta*, Huanta: 1000-0100
 4964.5 *R. La Merced*: 1100-1900, 2200-0100
 4965.8 *R. San Miguel*, Cusco: 0930v-0300
 4969.2 *R. Imagen*, Tarapoto: 0900-0300v
 4974.8 *R. del Pacifico*, Lima: 1030-1400,
 2300-0430
 4990.9 *R. Ancash*: 24h
 4995.8 *R. Andina*, Huancayo: 2100-0400
 5005.5 *R. Jaen*: 1100-0400

5016.98 *Estacion Tarapoto* 1041-1100 Weak and QRMed. (Valko 3/15) sked 1000-0400

5019.9 *Radio Horizonte*, Chachapoyas, noted at 0028-0100 tune-out. (23-Feb/Don Moore) sked 1000-0200

5025.0 *R. Quillabamba*: 1000-0300

5039.2 *R. Libertad de Junin*: 0945-1500, 1900-0300

5046.3 *R. Integracion*, Abancay: 1050v-1400

5056.2 *R. Onda Imperial*, Cusco: 1200-2130

5068.7 *R. Ondas del Suroriente*, Quillabamba: 1000-0100

5082.4 *R. Mundo*, Cusco: 0900-0100

5131.01 *R. Vision 2000*, Bambamarca: 2300-0300

5235.4 *R. Apurimac*, Abancay: 1000-0200

5323.4 *R. Origen*, Huancavelica: 1100-0200

5486.1 *R. Reina de la Selva*, Chachapoyas: irreg

5521.4 *R. Sudamerica*, Cutervo: 1130-0300

5547.43 *LV de Andamachay* reactivated, noted 0147, poss s/off around 0228. (Gabriel Ivan Barrera, "Onda Corta")

5620.1 *R. Pucan*, Cutervo: 1100-0300

5660.5 *R. VL del Cutervo*: 1100-1300, 2200-0200

5699.9 *R. Frecuencia*, San Ignacio: 2300-0300v

5894.7 *R. Paucartambo*: 1100-??, 2100-2400v now has an FM outlet and may not be on sw much longer. (Klemetz Play Dx via HJ)

*5995.2 *R. Melodia*: 24h

6010.8 *America FM 94*: irreg evenings

6018.24 *R. Victoria* 0456-0500*, Hrd signing on at p *1059 too. (Valko)

6045.4 *R. Santa Rosa*, Lima: 1000-0500

6055.3 *R. Continental*, Arequipa: 24h

6091.33 *R. Luz Universal???*, 1035, While tuning through, noted end of LA song and "Buenos dias Peru" by M. Unfortunately that was all I could copy due to severe QRM. (Valko 3/6)

6095 *R. Nacional del Peru*, Lima: 1100-1500, 2200-0500

6115 *R. Union*: 24h (6220-6215 area R Union? Lima. 1109 Way off nominal 6115 and FMing horribly. (McVicar 2/23)

6141.1v *R. Concordia*, Arequipa: 0930-2300v

6173.8 *R. Tawantinsuyo*, Cusco: 1000-0300

6188.11 *R. Oriente*, 1111-1121 (Valko3/6)

6203.9 *R. Cusco*: 1000-0300

6238.1 *R. Estacion Yurimaguas*: 1000-0300

6281.7 *R. Huancabamba*: 1000-0200v

6471.93 *R. Luz y Sonido*, Huanuco: 1130-1500, 2100-0130

6498.8 *Estacion C*, Moyobamba: 1030-2400

6544v *R. Imperial* is the ID I am hearing here; evenings only, inaudible if on in mornings. (Valko)

6627.3 *R. LV de San Antonio*, Bambamarca: 2300-0500

6670.2 *R. Santa monica*, Santiago de Chuco: 1100-1400

6726.6 *R. Satelite*, Sta Cruz: 2300-0300

6754.7 *R. La Merced*, Tongod: 2300-0200v, irreg.

6803.2 *LV del Rio Mayo*, Nueva Cajamarca: 1000-??, 2300-0300

6895.3 *R. Sensacion*, Huancabamba: 1300-2400

8324.1 *R. Emisora Alfa* 8324.1 (Valko)

9505.1 *R. Tacna*: irreg

9674.8 *R. del Pacifico*, Lima: 1400-2300

PORTUGAL RDP Internacional, Lisbon has replaced 11975 with 6130 kHz for their transmissions in English at 2000-2030 and in French at 2030-2100. (RVI Radio World/Cees van Oudheusden/06-Mar/Jan Nieuwenhuis—Neth./BDXC)

The Voice of Orthodoxy, a religious program assembled by a French group, beams to Russia from a shortwave site in Portugal [unnamed, but maybe Sines?—AQ]. All programs are in Russian, with sked: 1400-1430 9670 Su 1930-2000 9670 Sa (Nick Terrence)

ROMANIA Radio Romania International, Bucharest:

0000-0100	Spanish	5990 6155 9510 9570 11940
0200-0300	English	5990 6155 9510 9570 11940
0300-0400	Spanish	5990 6155 9510 9570 11940
0400-0430	English	5990 6155 9510 9570 11940
0530-0600	English	11940 15250 15380 17745 17790
0600-0645	EE/FF/GG	7105 7175 9510 9665 11775
0645-0745	English	15250 15335 17720 17805
1130-1200	French	15250 15380 15390 17745 17775 17790
1200-1230	German	9690 11940 15390
1300-1400	English	9690 11940 15390
1430-1500	French	15365 15380 17745
1430-1530	English	11740 11810 15335
1530-1600	Italian	9625 11810
1630-1700	French	9690 11940
1630-1700	German	5990 7195
1730-1800	English	9510 9750 11740 11940
1800-1900	German	5955 6105 7195
1900-1930	French	5990 7105
1900-2000	English	5955 6105 6190 7195
1930-2000	Spanish	7145 9665 11790
2000-2100	French	5955 5990 7105 7195
2030-2100	Spanish	7145 9665 11790
2100-2200	English	5955 6105 6190 7195
2200-2300	Spanish	7105 9510 11940

(DSWCI Shortwave News/Jan Nieuwenhuis/Benelux DX Club)

SEYCHELLES FEBA has some new frequencies:

0156-0228	Telugu	7175
0430-0500	Dari	15555
0500-0545	English	15555
1100-1145	Arabic	15555
1610-1625	Dari	7325

(Bob Padula/ADXN)

SOUTH AFRICA Radio South Africa, the main nationwide English-language radio network of the South African Broadcasting Corporation (SABC), announced on 28th February that from 1st March it would be known as "SAfm." (BBCM)

SWAZILAND TWR sked has these new channels:

0335-0350	Somali	7165
0400-0500	Chewa	6050
1400-1415	Urdu	15330
1500-1515	Malagache	7120
1600-7000	Chewa	6050
1830-1945	Umbundu/PP	6035
1900-1930	Lingala	7130

(Bob Padula/ADXN)

USA KNLS Alaska Z-95 sked changes for the one hour Eg transmissions show 0800Z on 9615 kHz, 1300Z on 7365 kHz. (WOR #788/Scott Walker)

KVOH has dropped 7415. They are now using 9785 from 2400-0800Z, with 7415 as an alternate. They are still on 17775 from 1200-2400Z. (WOR #787/Scott Walker)

Does anyone know what happen to **WINB**? It is now off the air. Did they get the turnoff, or did they just die? (14-Mar/Matthew Zank) At the recent NRB convention in Nashville, **WINB** was well represented. This old broadcaster has been taken over by a group which have renamed it "Patriot Radio", and my feeling was that they are pretty super-right wing, maybe more political than religious (I can't get them any more here in Ecuador, so haven't listened). They sounded pretty frustrated by the transmitter situation, and I gathered that they plan to replace the old xmtr with a new one. Their parent organization also operates a local AM, FM and TV station, plus operate a satellite network. (14-Mar/Ken MacHarg, HCJB) I understand that they are making several modifications to their transmitter. They are not replacing the old one, just upgrading it. Should be back on the air soon. (17-Mar/George Thurman) **WINB** is no longer using 12160 for English to Central America. Their new frequency is 11790 from 1230-1350Z. Other times: 1400-2000Z on 15715, 2000-2400Z on 15715 (with a different beam heading), 2400-1100Z on 11950. (WOR #787/Scott Walker)

The new **WJCR** facility planned for Clarksville, TN mentioned several months ago was a repeater for their FM outlet. This project was cancelled due to the inability to get a strong enough signal to that area. (Direct)

WVHA, Mt. Dora; has announced the following schedule as from 26th March 1995:

0200-0600	7465
0600-0800	7455 9870 (perhaps until 1000-....),
1000-1100	11930
1000-1200	13770
1100-2100	15745
1200-1500	11745
1200-1700	15665
1700-1800	17612.5

1700-2200 13720

2200-0200 9852.5

(02-Feb/George Thurman/Jan Nieuwenhuis/BDXC)

FEBC's broadcast site in San Francisco has been sold to a private company that will operate both AM and FM stations with a Christian Music format. **KGEI's** 250 kW transmitter has been donated to Calvary Chapel for relocation to a site near Twin Falls, Idaho. They intend to use the call letters **KGEI** and the station's motto, "The Voice of Friendship." Spanish language broadcasts will resume to Latin America, especially to Mexico. **KGEI's** 50-kW transmitter has been given to SIM International, one of **FEBC's** partners in the "World By 2000" agreement. (2/95 issue of **FEBC's** "Broadcaster"/Paul Buer)

Another note from John Vodenik, former engineer at defunct **VOA Bethany**: "Hello everyone. Well, Bethany is past the point of no return now. All three ABB transmitters have been removed from the building. Two have been shipped to VOA's warehouse in Brooklyn, NY. They are scheduled to go to Sri Lanka from there. Personally, I don't think they will ever see the light of day again, but that's one person's opinion. Everybody has at least one of these, or so I am told. In the control room, the audio input equipment for each transmitter has been crated, and is waiting for shipment to Brooklyn. I have heard of no decision on the future of the Collins and Continental transmitters. My guess, is that VOA will let GSA despose of these items when they take over control. So far, no one I have spoken to knows when VOA will turn over the property for final disposal. I see from the local newspaper, that the traitor, John Bohner was at the station last week. Since I only work 20 hours a week now, and last week was in Kulpville, Bohner missed a chance for me to meet him up close and unfriendly. His loss, not mine. That's about it from here for now. It was good to see all my friends and Bethany's supporters at Winterfest. I was quite surprised to receive an award from ANARC. Any information I posted here, on rec.radio.shortwave and FIDO was the combined efforts of the staff at Bethany. I was just the reporter of our combined force. I wish that there was a way for each and every member of Bethany's crew to be so honored. It is indeed humbling for me to accept this award on their behalf. As I have said, and will continue to say, for me personally, to be able to help out anybody in the shortwave community, has been a labor of love. I have been involved in this hobby since around 1963, and I have always felt that this was a way to pay back my dues. I also mentioned that I was doing it as a way to remember a good friend from high school. Tom never made it past 1972. He died from cancer. Had he not taken the time to introduce me to this hobby, then probably I never would be writing this. Thanks Tom. I will continue to keep the net informed as to what is going on, as best I can. My last day is April 17. After that day, getting information will be next to impossible. But, I will continue to try. Thanks again. 73 John (22 Mar)

VANUATU According to a report over *World Of Radio*, an Australian DXer who called *Radio Vanuatu* said they would be using new transmitters starting Feb. 24th. The "new" frequencies are: 2485, 3330, 4960, 6100. Ed Rausch in NJ had tentative reception on 6100 at 0725. (Rippel, NU #1313).

VATICAN CITY *Vatican Radio* noted 19 March on new 4015 (ex 4010) at 0606. (22-Mar/Paul McDonough)

VENEZUELA *La Voz de la Fe*, Maracaibo, Venezuela: According to news from the station in a few days they will broadcast again on 3375 kHz. This is because the local Catholic church wants to counter the influence of Evangelical and Protestant churches in media, like independent programs in *Ecos del Torbes* & *Radio Tachira* on SW and many others in MW stations all over the country. (03-Mar/Manuel Rodriguez—Venezuela)

VIETNAM *Voice of Vietnam* sked:

0000-0030	Cambodian	9732 7285
0000-0100	Vietnamese	15010-alt 12020-alt 9840
0030-0100	Laotian	9732 7285
0400-0600	English	5940-Russia
0600-0700	Spanish	7400-Russia
0700-0800	Vietnamese	7270-Russia
0830-0900	Chinese-std	15010-alt 12020-alt 9840
0930-1000	Indonesian	15010 12020 9840
1000-1030	English	15010 12020 9840
1030-1100	Indonesian	15010-alt 12020-alt 9840
1100-1130	English	9732 7285
1100-1130	Spanish	15010-alt 12020-alt 9840
1130-1200	Russian	15010-alt 12020-alt 9840
1130-1200	Thai	9732 7285
1200-1230	Cambodian	9732 7285
1200-1230	Chinese-std	12035 10010
1200-1230	Japanese	15010-alt 12020-alt 9840
1230-1300	Cantonese	12035 10010
1230-1300	English	15010-alt 12020-alt 9840
1230-1300	Laotian	9732 7285
1300-1330	Chinese-std	12035 10010
1300-1330	French	15010-alt 12020-alt 9840
1300-1330	Russian	9732 7285
1330-1400	Cambodian	9732 7285
1330-1400	Cantonese	12035 10010
1330-1400	English	15010-alt 12020-alt 9840
1400-1430	Japanese	15010-alt 12020-alt
1400-1430	Laotian	9732 7285
1400-1430	Thai	12035 10010
1430-1500	Cantonese	9732 7285
1430-1500	Indonesian	9840 1240
1430-1500	Russian	12035 10010
1500-1530	Chinese-std	9732 7285
1500-1530	Thai	15010-alt 12020-alt 9840
1530-1600	Cantonese	15010-alt 12020-alt 9840
1600-1630	English	15010-alt 12020-alt 9840
1630-1700	Russian	15010-alt 12020-alt 9840
1700-1800	Vietnamese	15010-alt 12020-alt 9840
1800-1830	English	15010-alt 12020-alt 9840
1830-1900	French	15010-alt 12020-alt 9840

1900-1930	English	15010-alt 12020-alt 9840
1930-2000	French	15010-alt 12020-alt 9840
2000-2030	Spanish	15010-alt 12020-alt 9840
2030-2100	English	15010-alt 12020-alt 9840
2100-2130	French	15010-alt 12020-alt 9840
2130-2200	Japanese	15010-alt 12020-alt 9840
2200-2230	Chinese-std	15010-alt 12020-alt 9840
2230-2300	Cantonese	15010-alt 12020-alt
2300-2330	Thai	15010-alt 12020-alt 9840
2330-0000	English	15010-alt 12020-alt 9840

(BBCM)

BBC Monitoring has been able to obtain a positive identification of the site in the former Soviet Union which has been used to relay the external service of the *Voice of Vietnam* since the start of 1995. A direction-finding exercise on 16th February confirmed that these transmissions are emanating from the shortwave transmitting station at Tbilisskaya (geographical coordinates 45.29 north, 40.07 east) in Krasnodar Kray, to the northeast of the Black Sea. Tbilisskaya is located about 50 miles northwest of the town of Armavir and this transmitting station is referred to official Russian listings of transmitter sites as "Armavir".

Further confirmation that this site is being used by *Voice of Vietnam* comes from the registration by the Russian authorities with the international broadcasters' High Frequency Coordination Conference (HFCC) of the use by the "Armavir" site of 5940 and 7400 kHz at the relevant times for the winter of 1994-95. The transmitter power on both frequencies is registered as being 250 kW. The registered antenna bearings (315 degrees for 5940 kHz and 290 degrees for 7400 kHz) confirm that these transmissions are beamed to the Americas. Current propagation conditions mean that they are also audible in Europe.

Glenn Hauser's *"World of Radio"* on 19th February reported that another *Voice of Vietnam* relay presumed to be via a transmitter in Russia had been heard in British Columbia, Canada. This relay is on 7270 kHz, which carries the *Voice of Vietnam* in Vietnamese and other languages at 0700-0800. Prior to 0700 the same transmitter relays *Voice of Russia* in English. Hauser said this transmission on 7270 kHz was believed to be from the transmitter site at Petropavlovsk-Kamchatskiy. [A 250-kW transmitter at Petropavlovsk-Kamchatskiy in the Russian Far East is indeed registered with the HFCC for use on 7270 kHz at this time. Its transmissions are said to be beamed to Alaska and western Canada.] (BBCM)

YUGOSLAVIA *Radio Yugoslavia's* director has announced that the station is to resume its worldwide coverage by using a 500-kW transmitter. The director said that "during the sanctions" programs had been broadcast using a 100-kW transmitter. Presumably the 500 kW unit referred to is at the Bijeljina transmitting station in northeast Bosnia-Hercegovina, which appears to have been off the air since mid-January 1995. (BBCM)

ZAMBIA Christian Voice, Lusaka, now heard on 4965 until 2033 with almost excellent reception. (11-Mar/Jorma Mantyla—Finland). *R. Christian Voice's* latest schedule per Chief Engineer Andrew Flynn; 1300-1500 6065, 1500-2030 4965, 0430 approx. testing on 4965. (Hans Johnson)

RADIO AUM SHINRINKYO Did anyone else notice that Japanese police raided the Tokyo headquarters of Aum Shinrinkyo today? Ostensibly, it was because the group was suspected of kidnapping a government employe who'd been critical of the sect, but supposedly the real reason deals with Aum's supposed involvement in the nerve gas attack. Wow! Does this mean I shouldn't scratch and sniff my *R. Aum Shinrinkyo* QSL? (21 Mar/Steve Forrest). Did anyone else note that the cult the Japanese police are taking a hard look at in connection with the subway gassings is the same one that buys all that time on the Russian Far East transmitters (try 12050 kHz at around 20-21 UTC)? (22-Mar/Charles Albertson) I am wondering if any of you have monitored their frequencies and found them up lately? I listened to 7105 last night from 0400-0500 but only had *R. Moscow* up. Have they disappeared from the airwaves? (23-Mar/Richard Crisp) According to CNN a few minutes ago, *Radio Moscow* has pulled all *R. Aum Shinrinkyo* broadcasts. Russia has instituted their own investigation of the cult in Russia. (23-Mar/Walt Novinger)

PIRATES-EUROPE The Dutch radio magazine *FREE-WAVE* reports recently at their issue 253, that *Radio Caroline's* SW Tx (6295) placed at Ireland was destroyed by a bomb attack. The bomb attack was not directly turned against the Caroline organisation but against other Irish unofficial radio operators. (SRS News/Jonny Augustsson—Sweden)

PIRATES-RELAYS *R. Copan Int'l* 15675 is carrying "pirate Mike's" "*Radio Albatross International*" on Sundays from 2000-2100Z. (WOR #787/Scott Walker).

PIRATE PROFILE Although not really a pirate station, *Radio Albatross International* has enough pirate "flavor" in it's programming to be considered one. The "station" was first relayed by the Honduran, *R. Copan International* on February 5th, and can be heard every Sunday from 2100-2200 on the frequency of 15675 kHz. The three main on air personalities are R. Animal of pirate station *WKND*, Pirate Mike of the defunct *R. Audibon International* and Captain Sly. Programming consists of oldies hosted by Sly, a medical answer show called "*Ask Dr. Steven Fisher*" and music by groups such as Quest. Future segments will include a DX show called "*Albatross DX*" and a relay of the pirate station *KICK*. The station is a good QSLer and his now offering T-shirts and membership to their listener's club. You can write to *R. Albatross International* at: Box 25302, Pittsburgh, PA 15242. (Direct).

QUICK! SCHEDULE AN EMERGENCY SESSION OF THE NASWA COUNTRIES COMMITTEE! The Associated Press reports that a giant chunk of ice has broken off of Antarctica and is heading north into the Pacific. British scientists say it's 48 miles long, 23 miles wide and more than 650 feet thick. The researchers say that pieces of the frozen continent are breaking off because of rising temperatures in the region. But don't expect to see the giant iceberg floating up to the North American coast. It is expected thaw quickly once it reaches warmer water. It will be interesting to see if anyone mounts a DXpedition to the floating island to put it on the air before this rare one, literally, melts away. (Amateur Radio Newslines/Steve Coletti)

FURTHER PROOF THE END IS NEAR

"From: irdial@irdialsys.win-uk.net (Irdial-Discs)
Date: Wed, 22 Mar 1995 15:15:52 GMT
Subject: ++Numbers Stations++

"Attention

"To all Numbers enthusiasts!!

"The record company Irdial-Discs is releasing a CD of recordings of unidentified/Numbers Stations.

"We are going to include as wide a variety of station types as possible and are looking for recordings from SWLs all over the world.

"If you have any recordings of Numbers Stations, especially ones that are no longer on the air, we would like to hear from you! If you know someone who has recordings but no email, please pass this message on.

"For this project, we will be providing examples of the signal 'as recieved' and also a cleaned up version using Sonic Solutions 'Noise Profile' system, which can remove all unwanted noise from a recording. In this way, we will be able to hear ultra clean Numbers as if they were transmitted from next door!

"Along with the CD will be printed information on the origin and systems of the Numbers Stations

"If you have tapes and are interested in contributing to the CD please email:

"irdial@irdialsys.win-uk.net

"Thank You!

"papaqui" (Ralph Brandi)



QSL Reports

Sam Barto
47 Prospect Place
Bristol, CT 06010



ANGOLA: Emissora Provincial de Benquela
* 5042.9 f/d cd. w/ prepared cd. for a tape rpt. & \$1.00. v/s Simao Martins Cuto - who said my rpt. was 'fantastico' (Klinck)

ARGENTINA: Radio Nacional 15345 f/d "Logo" cd. w/ ltr. in 2 mo. for a SP rpt. v/s Gabriel Ivan Barrera. (Barto-CT)

ARMENIA: Mitternachtsruf 9480 via Radio Intercontinental p/d cd. in 42 ds. for \$1.00. v/s Jonathan Malgo. (Pa-AS)

ASIATIC RUSSIA: VOA Irkutsk lmersheim). * 5915 f/d cd. w/ pennant in 95 ds. (Hume-nyk).

AUSTRALIA: Radio Australia 15365 f/d cd. nyk). 9860 VLE via Shepparton f/d cd. in 50 ds. w/ sked. and calendar. (Palmerheim). VLC 11695 f/d cd. w/ calendar and sked. in 60 ds. (Placanica-IT).

AUSTRIA: ORF 6155 f/d cd. in 18 ds. w/ "Salzburg" wall calendar. (Placan-BANGLADESH: Radio Bangladesh 9688.1 ltr. in 3 mo. v/s Ashraful Alam, Assistant Director. (Barto-CT).

BHUTAN: BBS 5030 returned my prepared ltr. in 82 ds. w/ statement that they would forward my rpt. (Kusalik).

BOLIVIA: Radio Santa Cruz 6135 f/d prepared cd. w/ f/d ltr. in 76 ds. for a SP rpt. and \$1.00. Rcvd sked. and pennant. v/s Ma. Yolanda * Marco, Secretary. (Martin-CA). Radio El Mundo 6015 f/d cd. w/ personal ltr. via registered mail in 35 ds. for a SP rpt. Oversized pennant and sticker were rcvd. v/s Lic. Juan Pablo Sainz, Gerente General. (D'Angelo-PA).

BONAIRE: Radio Nederlands 21515 f/d cd. in 45 ds. w/ sked. (Humenyk).

BOTSWANA: Radio Botswana 4830 and 7255 f/d "Storks" cd. in 24 ds. (Pasquale-PA). VOA 7265 f/d cd. in 5 wks. (Barto). 9815 f/d "Annapolis" cd. in 70 ds. (Placanica-IT).

BRASIL: Radio Bras 15265 p/d ltr. in 20 ds. v/s Ms. Mariana Braga. (Placanica-IT). Radio Cultura Sao Paulo 17815 n/d ltr. in 88 ds. for a PT rpt. and \$1.00. v/s Maria Luiza A. Kfourri. (Paszkievicz).

BULGARIA: Radio Bulgaria 11720 f/d "Sofia" cd. in 200 ds. for 1 IRC. v/s Mrs. Iva Delcheva. (Brouillette-IL).

CANADA: RCI 9725 and 11945 f/d cd. w/ pennant and sticker in 3 wks. (Field-MI). 15325 f/d cd. in 19 ds. w/ stickers. (Brouillette-IL).

to: Gerry Klinck

The U.S. Information Agency is pleased to confirm your reception of the program broadcast by its

VOICE OF AMERICA



TRANSMITTED FROM Okinawa, Ryukyu Is.

on April 10, 1964

by John P. Finagan



RADIO CIMA 100 FM
SANTO DOMINGO, REPUBLICA DOMINICANA

QSL

-----CERTIFICADO DE SINTONIA-----

EMISORA: Onda Corta 4960, llamada de bu Mts.

h: Sr. Richard A. D'Angelo, E.U.W.

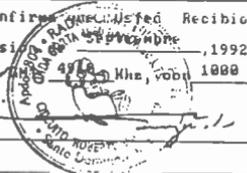
Esta Carta Confirma el Recibido

Nuestra Transmision 1992

03:10 UTC 4960 KHz, Voz 1000

Valios de Poder

FIRMA Y SELLO



9815 f/d "Anna-

17815 n/d ltr. in 88 ds. for a PT rpt. and \$1.00. v/s Maria Luiza A. Kfourri. (Paszkievicz).

11720 f/d "Sofia" cd. in 200 ds. for 1 IRC. v/s Mrs. Iva Delcheva. (Brouillette-IL).

9725 and 11945 f/d cd. w/ pennant and sticker in 3 wks. (Field-MI). 15325 f/d cd. in 19 ds. w/ stickers. (Brouillette-IL).

17820 f/d cd. in 70 ds. (Humenyk). Radio Japan 5960 f/d "Sunset in Nara" cd. w/ sked. and sticker in 3 wks. for 2 IRCs. (Thow). Radio Korea 9650 f/d "Seoul 6th Centennial" cd. w/ "Samoa Broadcasting Service Special Relay" stamp in 6 mo. (Loudell-DE).

COLOMBIA: Radio Super de Ibaque 4785.6 p/d ltr. in 29 ds. for a SP rpt. and ms. Sticker rcvd.



v/s German Acosta Ramos, Director. (Martin)
COSTA RICA: Radio For Peace International 17905 and 9400 usual cd. in 5 wk. (Barto). **Radio Reloj** 4832 f/d cd. in 21 ds. for a SP rpt. and 2 IRCs. v/s Francisco Barabona G. (Brouillette)
TIPC Faro del Caribe 5055 f/d prepared cd. w/ ltr., sticker, calendar, pennant, coin & skeed. in 52 ds. for a taped rpt. and \$1.00. (Yamada-NM). 9644.7 cd. w/ pennant in 55 ds. for

1 IRC. v/s Pedro A. Jimenez Mora. (Flynn-OR).
CROATIA: Hrvatska Radio - TV 13830 f/d "HRTV/ADXB" cd. in 374 ds. (Humenyk) 5920 same cd. in 372 ds. for \$1.00. (Buer-FL).
CUBA: Radio Habana Cuba 9820 p/d ltr. in 50 ds. (Placanica-IT).
ECUADOR: HCJB 11735 and 6205 f/d "Colonial Quito" cd. in 2 mo. (Barto-CT). 21455 cd. in 63 ds. for 1 IRC. (Kusalik). 9745 f/d "Otavalo Market" cd. in 1 mo. for US ms. (Loudell-DE). 6205 f/d cd. in 2 mo. (Placanica) 9745 f/d cd. in 5 wks. for ms. (Weissborn). **Radio Bahai** 4950 f/d cd. w/ personal ltr. in 3 wks. for a SP rpt. v/s William Rodriguez. (Field)
EGYPT: TV-Radio Cairo 9990 cd. in 40 ds. (Placanica-IT). (MI).
ENGLAND: Radio Canada International 5995 via **Skelton** f/d cd. in 3 wks. (Field-MI). **Radio Korea** 7250 f/d cd. in 40 ds. (Placanica-IT).
ETHIOPIA: Radio Amahoro 9560 info. sheet w/ sticker and form ltr. in 5 wks. v/s Tatién Musabyimana, Director and Guy Theunis, Delegate Administrator.
EUROPEAN RUSSIA: Voice of Russia 7400 via **Armavir** f/d cd. in tor (Barto). 6 wks. (Barto). 7205 f/d cd. via **Serpukhov** in 6 wks. (Barto-CT). **Radio-statsiya Atlantika** 7125 via **Murmansk** cd. in RS in 2 mo. (Barto-CT).
EUROPIRATE: Weekend Music Radio 6239.6 f/d cd. w/ sketch and info. sheets in 2 mo. (Barto-CT).
FINLAND: YLE 11735 and 15400 n/d cd. in 7 ds. for a rpt. to the CT addr. (Ondrec- hen-MA).
FRENCH GUIANA: China Radio International 11680 f/d "Dove and Globe Peace" cd. in 7 wks. (Loudell).
GABON: Radio Japan 17780 f/d cd. in 25 ds. (Placanica-IT).
GERMANY: Deutsche Welle cd. in 40 ds. (Placanica). cd. in 1 mo. (Humenyk-ONT).
GHANA: GBC Radio 2 3366 "Golden Jubilee" cd. in 5 wks. for \$1.00. (Loudell-DE).
GREECE: Voice of Greece 9425 f/d cd. w/ sked. in 122 ds. (Klinck). **VOA Kavala** 15205 large cd. in 3 mo. (Placanica).
GUAM: KSDA 11980 f/d cd. in 2 wks. (Field) 9370 f/d cd. in 6 mo. for 1 IRC. (Anderson-MI). f/d cd. in 25 ds. v/s Adrian Peterson. (Placanica-IT).
GUATEMALA: TGCT Radio Coatan 4780 n/d ltr in 3 mo. for a SP rpt. v/s Domingo Hernandez, Director. (Field-MI). p/d ltr. in 7 wks. for a SP rpt. and \$1.00 (Ondrechen-MA). f/d ltr. in 1 mo. for a SP rpt. (Barto-CT). **La Voz de Atitlan** 2390 p/d ltr. in 95 ds. for a SP rpt. and \$1.00. v/s Jose Miguel Pop Tzina, Director. (Fisher-MA). **Radio Buenas Nuevas** 4800 f/d prepared cd. w/ ltr. and pennant in 48 ds. for a taped rpt. and \$1.00. (Yamada)



MORE POWER FROM THE TOWER

LASER HOT HITS

HAWAII: KWHR 9930 f/d cd. in 60 ds. (Terrence). 17645 f/d cd. in 310 ds. (Humenyk-ONT).
HOLLAND: Radio Nederland 6020 f/d cd. in 1 mo. (Thompson-NY).
HONDURAS: HROO Radio Internacional 4930 f/d cd. in 16 ds. for a

VERIFICATION SIGNERS: Radio Yerevan 4810 Lewon Ananikian, Director. Radio Fides 4845 Miss Felicia de Rojas, Secretaria. Radio Centenario La Nueva 4855 Napoleon Ardaya Borja, Director. Radio La Palabra 4732 Fray Padre Youso Arketa. Addr: Paroquia de Santa Ana, Santa Ana, Yacuma, Beni. Radio Metropolitana 6195 Carlos Palenque Aviles, Director. Radio Santa Cruz 6135 Mrs. Maria Yolanda Marcos, Secretaria. Radio Educadora Rural 4755 Angelo Venturelli, Director and Ailton Guerra, Gerente. Radio Calari 4785 Miss Eva da Costa, Secretaria. Radio Difusora 3 de Julho 3568 Carlos Henrique S. de Oliveira, Director Geral.....via Play DX...Sam.



EMISORAS
 LA VOZ DE SAQUISILI Y LIBERTADOR
 dos frecuencias, al servicio de
 todo el Ecuador

Prof. Arturo Mena Herrera
 GERENTE • PROPIETARIO

Dircción: Calle 24 de Mayo - frente a la plaza 18 de
 Octubre - tercer piso - Telf. 133

SAQUISILI • ECUADOR

rpt. and \$1.00. v/s Mateo McCollum, Manager and Del Brown, Operator.
INDIA: All India Radio 7412 f/d cd. in 3 mo. (Placanica). (Kusalik).
IRAN: VOIRI 11930, 11790 and 9575 cd. w/ sked., Bosnia poster and several magazines in 2 mo. (Barto-CT).
IRELAND: Radio FAX 3910 f/d cd. w/ site in 13 ds. for \$2.00. for a 93 reception in Denmark. (Ondrechen-MA).
ISRAEL: Kol Israel 15640 f/d cd. in 60 ds. w/ schedule. (Placanica-IT).
ITALY: AWR Porli 7230 f/d cd. in 20 ds. w/ newsletter. (Placanica-IT).
JAVA: RRI Yogyakarta 7098.5 f/d ltr. in 74 ds. for an IN rpt. and \$1.00 v/s Phoenix Sudomo Sunaryo, Direktorat Radio. (Martin-CA).
KUWAIT: Radio Kuwait 9840 f/d folder in 73 ds. for a taped rpt. and ms. (Pappas-SD). 11990 f/d cd. w/ sked., key chain, pen and calendar in 5½ mo. for \$1.00. (Loudell-DE). (Dybka-TN).
MALTA: Voice of the Mediterranean 9725 f/d cd. in 21 ds. for \$1.00.
MALOKU: RRI Ternate 3345 f/d prepared cd. in 81 ds. for an IN rpt. and ms. v/s Abd. Latief Kamarudin. (Martin-CA).

SP rpt. and \$1.00. v/s Victor Antonio "Tito" Handal, Gerente General. (Ondrechen-MA). f/d cd. w/ stickers in 1 wk. for \$1.00 (Loudell-DE). f/d cd. in 47 ds. for a SP rpt. and \$1.00. (Martin-CA). Radio Albatross International 15675 via Radio Copan International f/d cd. in 13 ds. (Pasqual). same in 9 ds. for \$1.00. (D'Angelo-PA). Radio HRET 4960.3 f/d verie sheet w/ prepared cds. in 63 ds. for a SP

MEXICO: Radio Educacion 6185 p/d cd. w/ stickers & note in 2 mo. for a SP rpt. & \$1.00. (Ondrechen). in 70 ds. for a taped rpt. and \$1.00. (Yamada-NM).



Week-End Programming
 Programmation de fin de semaine

Production Team
 L'Équipe de production

W L I S
 We Love Interval Signals

via Nick Terrence
 W L I S

We Love Interval Signals

DATE: 1.1.85 TIME: 0834
 OPERATING FREQUENCY: 7415 kHz USB
 VERIFICATION OF RECEPTION



Radio Universida 9600 ltr. w/ prepared cd. in 53 ds. after 2 registered ltrs. in 2 yrs. QSL was delivered by Purolator Courier. This was for a SP rpt. and \$1.00. v/s Ing. Miguel Angel Gonzalez L. (Kusalik-ALB).

MOLDOVA: Radio Moscow 15290 via **Kishinev** f/d cd. in 54 ds. w/ sked.(Martin-CA). **Voice of Russia** 9550 via **Kishinev** f/d cd. in 6 wks.(Barto). same in 2 mo. w/ schedule.(Barto-CT). anica-IT).

MOROCCO: VOA 6040 f/d "Golden Gate" cd. in 3 mo.(Plac-

NEPAL: Radio Nepal 7165.2 and 5005 f/d cd. in 7 wks.(Bar-

NEW ZEALAND: Kivi Radio 7445 f/d cd. w/ stickers and info. to-CT)

* sheet in 3 wks. for \$1.00.(Lobdell). same in 24 ds. v/s Graham J. Barclay, Operator.(Kusalik). **ZLXA** 3935 f/d cd. w/ sked. in 18 ds. for ms. v/s Brian Stokde, Program Supervisor.(Sgrulletta-NY).

NOTES: Old time friend **John Fisher** contacts us with a few reports for the QSL Column. He now uses the R-8 receiver and an older GPR90 from the 70's. Nice to hear from you...Sam. **Paul Brouillette** says that sometimes the Column seems to be getting less contributions and then they seem to peak once again. I can't figure it out. Cable and satellites are taking the fun out of the hobby!

Michael Schmitz sent along the new ADDX 1995 station pennant or club pennant. Thank you...Sam.

PRODUCCIONES RADIO CUSCO S. R. LTDA.
"LA VOZ DE LA CAPITAL ARQUEOLOGICA DE AMERICA"



ONAR 70 1470 KC
SERVICIO LOCAL
Y REGIONAL

ONAR 7A 8195 KC
SERVICIO NACIONAL
E INTERNACIONAL



NORWAY: Radio Norway International 7450 f/d "Carver" cd. in 30 ds. w/ sked., sticker and wall calendar.(Palmerheim-WA).

PAKISTAN: Radio Pakistan 17900, 11570, 7485 and 15265 f/d cd. in 40 ds. v/s Syd Abrar Hussein.(Placanica-IT).

PAPUA NEW GUINEA: NBC 9675 f/d "Map" cd. in 39 ds. for 2 IRCs. after a f/up rpt.(Palmerheim). same in 11 mo. for 2 IRCs.(Flynn-OR). **Radio Chimbu** 3350 p/d 2 page ltr. in 87 ds. for \$1.00. v/s Gabriel Paiao, Station Technician.(Martin-CA).

PERU: Radio Tropical 4935 p/d computer generated ltr. in 33 ds. after a f/up rpt. for \$1.00. v/s Mery A. Rengifo Tenazoa, Secretaria. The ltr. was sealed by a Japanese I&C. (Martin-CA). **Radio Satellite** 6726.5 f/d cd. w/ prepared cd. in 58 ds. for a SP rpt. and \$1.00. v/s * Sabino Llamas Chavez, Gerente.(Martin-CA). **Radio Huancabamba** 6282 f/d ltr. in 2 mo. on my 7th try for a SP rpt. v/s Cesar Colunche.(Field-MI).

Radio Horizonte 4505 p/d ltr. w/ postcard and cassette of Peruvian music in 37 ds. for a SP rpt and \$1.00. v/s Celia Purizaca Suxe, Secretaria.

PHILIPPINES: FEBC 11995 f/d "Hibiscus (Klinck). in Bloom" cd. in 4 mo. for \$1.00.(Schwartz).

PORTUGAL: RPE 15370 f/d cd. in 18 ds. for 1 IRC.(Pap-

ROMANIA: Radio Romania International 7195 pas-SD)

f/d "Triumph Arch" cd. w/ sticker, sked. and pin in 2 mo.(Barto-CT). 9510 f/d cd. w/ sked. in 103 ds.(name?)

RUSSIA: Golos Rossi 7125 f/d "DX" cd. in 4 mo. w/ sked.(Field). **Voice of the Assyrians** 12075 via **Balashikha** f/d ltr. in 3 mo.(Field-MI).

SAINT HELENA: ZHH Radio Saint Helena 11092.5 f/d cd. in 137 ds. for \$1.00. v/s Tony Leo.(Hardester-NC). same in 135 ds.(Levison-PA). in 132 ds. for \$1.00.(Pasquale). f/d "Map" cd. in 133 ds. for ms.(Pappas) f/d cd. in 135 ds. for 2 IRCs.(D'Angelo-PA).

SCOTLAND: WMR 6280 f/d cd. w/ site and note in 2 mo. after a f/up rpt. for \$3.00.(Ondrechen-MA).

QSL
Verification Card

Station Royal Australian Naval Communications Station

For Benjamin Krepp

Thank you for your reception report. We are pleased to verify your reception of our transmission on 22 November 1992 from 1200 UTC hours 1215 on 12984 kHz. with a power of 40 KW watts.

SINGAPORE: Radio Japan 6035 via **BBC** f/d "Swans" cd. in 55 ds. w/ calendar and sked. (Palmerheim-WA). **Radio Singapore International** p/d cd. in 3 mo. for 3 IRCs w/ sticker.(Schwartz).



TV-RADIO TBILISI

SLOVAKIA: Adventist World Radio 6055 f/d "WaveScan" cd. in 9 ds. for SASE. v/s Adrian Peterson. (D'Angelo). same in 2 wks. (Field). cd. w/ bookmark, newsltr. and calendar in 3 wks. (Schwartz). 9465 f/d cd. w/ stickers in 198 ds. for \$1.00. (Buer-FL). 5940 f/d cd. in 16 ds. (Placanica). 5945 f/d cd. in 1 mo. (Placanica).

SOUTH AFRICA: Channel Africa 15240 f/d cd. in 25 ds. (Placanica-IT).

SWEDEN: Radio Sweden 6200 f/d "Royal Family" cd. in 2 mo. sked. (Placanica). 6200 f/d cd.

To Ross W. Comeau
 Confirm our SWL and Program Radio Tbilisi, Georgia
 Date September 1991 at 11,760 kHz msk
 to 2125 at 11,760 kc
 on 5930 150401 -W-
 Vy Tranks QSLi 73i
 Remarks Dear Ross W. Comeau, I confirm receipt
of reception of our programmes.
Wish you all the best in life. Friendly regards
and love.
Yours sincerely, editor Helen Apollonov

(Loudell-DE). 6065 f/d cd. in 1 mo. w/ sked. (Placanica). 6200 f/d cd. in 2 wks. w/ schedule and sticker. (Schwartz).

SUMATERA: RRI Padang 4003.5 f/d cd. w/ n/d ltr. in IN in 2 mo. for an IN rpt. and ms. v/s Marlis Ramali and Amir Hasan. (Sgrulletta-NY).

TAIWAN: Voice of Free China 9850 f/d cd. w/ sticker and sked. in 44 ds. (Thompson-NY). 9810 f/d cd. in 1 mo. (Placanica-IT).



TAJIKISTAN: Radio Moscow 4940 via Dushanbe * f/d cd. in 81 ds. for \$1.00. (Martin-CA).

TANGIER: Radio TV Maroc 17595 p/d cd. in 94 ds. (Humenyk-ONT).

THAILAND: Radio Thailand 11835 f/d "Lotus" cd. in 50 ds. Sked, postcard were rcvd. (Evans-TX). f/d cd. in 2 mo. (Placanica).

USA: KYES 11715 f/d cd. in 18 ds. for ms. (Ondrechen-MA). **WENW** 7520 f/d cd. w/ sked. in 40 ds. (Placanica-IT). **Voice of Liberty** 5065 via **WOCR** p/d cd. w/ sticker in 3 wks. (Barto-CT). **WHRI** 13760 f/d "Logo and Globe" cd. in 286 ds. v/s Loren Holy-cross. (Humenyk). **"Shepherd's Chapel"** pgm. over **WHRI** 13760 "Cross in Clouds" cd. in 3 wks. Addr: P.O. Box 416, Gravette, Ark. 72736. (Berg-MA). **WYFR** 21500 f/d cd. in 114 ds. w/ sked. and calendar. (Humenyk-ONT).

La Voz de Fundacion 9495 f/d cd. for a 90 reception which was already QSLed: Info 15665 via **WCSN** cd. in 30 ds. (Placanica-IT).

sh sheet and stickers rcvd. (Kusalik-ALB). **WOCR** 5065 n/d "Logo" cd. in 86 ds. for SASE. Sked. and sticker were rcvd. (Palmerheim-WA). same in 57 ds. w/ schedule. (Humenyk). **VOA Bethany** 7405 "Final Days" cd. in 40 ds for \$1.00. (Loudell-DE). 5995 via **Greenville** f/d "Yellowstone" cd. in 6 mo. (Schwartz). **Voice of Historic Adventism** 15665 via **WCSN** f/d ltr. in 60 ds. after a f/up rpt. for \$1.00. Schedule rcvd. v/s Gordon E. Simkin, Chief Engineer (W7LBS). (Kusalik-ALB). **"Prophecy Countdown"**

New Zealand's NATIONAL RADIO READING SERVICE

RADIO FOR THE PRINT DISABLED



2XA 1602 kHz
 ZLXA, 3935 kHz
 ZLXA, 5960 kHz
 ZLXA, 7290 kHz
 Simulcasting Day & Night



N.Z Radio For the Print Disabled Inc

QSL To: JOHN L. SGRULLETTA
 We are pleased to confirm your Reception Report.
 You have heard ZLXA 7233
 on 3935 at 2029 2102 UTC 0905
 Dated FEBRUARY 5 199 5

National Studios & Office

First Floor, Levin Shopping Mall
 P.O. Box 360
 Levin 5500
 NEW ZEALAND

Phone 77 (06) 368 2277
 Community FAX (06) 368 2277
 QSL Manager [Signature]

USA (Pirates): Midnite Radio 7378 f/d cd. in 2 mo. for 3 ms. (Dybka-TN). **Up Against the Wall Radio** 7470 f/d ltr. in 24 ds. (Kusalik). **Radio Virus** 7415 f/d ltr. in 3 mo. after a f/up rpt. (Kusalik-ALB). **Voice of the Dead** 7413 f/d "Sweet Dreams" cd. in 14 ds. for 3 ms. via Vista, CA addr. (Comeau-MA). **Black Rider Radio** 6955 via **KDED** f/d cd. in 52 ds. for 3 ms. (Martin-CA)... Lots more!



自由中國之聲
Voice of Free China

茲將本台自開辦以來，凡經本台轉發之電報，均已一一轉達。在日前，本台亦曾轉發日語節目，所獲報章與本台轉發內容完全相符。謹此致謝。

This is to verify that your reception report on _____ program on _____ KHz from _____ to _____ UTC on _____ 19 _____ corresponded with our station log of the same day. Thank you for your interest. Further reports are welcome.

中華民國臺北無線電台 736號

P. O. Box 24 38 Taipei

Taiwan Republic of China

電話 909 中華郵政特准掛號認爲新聞紙類 玉山

電掛 909 中華郵政特准掛號認爲新聞紙類 玉山

2025年10月13日
請予介紹介紹...



via Yanadu

中華民國郵政特准掛號認爲新聞紙類 玉山

Bullfrog Radio 6955 f/d "Infant Frog" sheet in 5 wks. Addr: Box 2024, Faribault, MN 55021. (Lobdell-MA). **The Great Southland** 7413.9 f/d "Kangeroo" sheet in 14 mo. QSL was posted from Australia. Addr: Box 293, Merlin, Ont. NOP IWO Canada...US relay?(Lobdell-MA) **WEED** 7415 n/d "Waco/Reno" sheet in 4 mo. on my 4th try. (Field-MI). **Radio Peace in Action** 7385 via **NAPRS** f/d cd. in 1 1/2 mo. (Trummel). **KMCR Magic Carpet Radio** 7375 f/d

cd. in 18 ds. for ms. 25 watts. (Palmersheim). **KTVI** 7411.8 f/d "Logo" cd. in 49 ds. for ms. 100 watts. (Palmersheim). **Radio Bob's CommNet** 3450 f/d cd. in 23 ds. w/ personal ltr. (Frodge-MI). **Radio Star of the North** 7385 f/d info. sheet w/ photo in 131 ds. for 3 ms. (Frodge-MI). **Radio Dr. Tim** 7413 via **NAPRS** f/d sheet w/ photo in 67 ds. for \$1.00. via Wuppertal. (Frodge). **Laser Hot Hits** 7415 f/d cd. in 37 ds. for 3 ms. via Merlin addr. Came via the UK: (Frodge). f/d cd. w/ sticker in 32 ds. (Terrence-NY). f/d cd. in 20 ds. for \$1.00. Stickers and decals were rcvd. (Kusalik-ALB). **NAPRS** 7415 f/d cd. in 18 ds. for 3 ms. via

Wellsville addr. (Frodge). f/d cd. w/ info. sheet in 22 ds. for 3 ms. (D'Angelo-PA). 7385 f/d yellow "Map" cd. in 2 wks. via Wellsville. (Trummel-MO). **WLIS** 7385 f/d yellow "Ian" sheet in 1 mo. (Trummel). 7415 same f/d cd. in 32 ds. (Terrence-NY). **K2000** 7415 f/d cd. in 1 mo. via Stoneham, MA addr. (Trummel). **CRSN** 7385 f/d sheet in 5 mo. (Lobdell-MA). **The Joint** 7410 f/d "Burning Marijuana" cd/sheet in 2 mo. via Wellsville addr. (Lobdell).

OSL # 25-
JUST WHEN YOU THOUGHT IT WAS SAFE TO DRINK... SPECIAL HALLOWEEN BLOWOUT '94
KICK
PROUD & SATISFIED HIGH LISTENER

Radio Magic(USSR) 7385 f/d cd. in 4 mo. via Perm, Russia. (Trummel). **Primitive Radio** f/d pictograph cd. in 32 ds. for 3 ms. via Wellsville v/s Holden Caulfield. (Frodge-MI). **WKHZ** 7415 f/d B&W photo of antenna tower in 2 wks. for a rpt. in the Pirate Pages. (Lobdell-MA). **Radio Halloween** 7411 f/d orange cd. in 49 ds. for 3 ms. via Wellsville. v/s Tommy Pickles. (Frodge-MI). **KICK** 7470 f/d orange "Halloween Blowout" cd. #25 in 2 mo. (Lobdell-MA). **Voice of the Runaway Maharishi** 7375 f/d ltr. in 48 ds. for ms. (Paszkiwicz). **Radio Doomsday / Radio Airplane** 6954.6 f/d Capt. Eddy cd. in 78 ds. Stickers were rcvd. (D'Angelo-PA). 6954 f/d "Cracked Skull" cd. in 1 mo. via Wellsville. Also rcvd. orange pennant. (Lobdell). **WREC Radio Free East Coast** 7415 f/d "Map" cd. in 3 wks. (Lobdell). f/d "QSL #185 - Bra Sheet" in 1 mo. 140 watts. (Kusalik-ALB). **The Radio Airplane** 6955 f/d cd. in 1 mo. for 3 ms. (Martin-CA). **Hit Parade Radio** 7385 f/d large "Beach Boys" cd. in 1 mo. via Wellsville. (Trummel). **WVOL** 7385 f/d cd. in 2 mo. via Wellsville. (Trummel). **Radio Azteca** 7385 f/d cd. in 2 mo. w/ pennant. (Trummel) **Radio Free Jesus** f/d sheet in 1 mo. via Huntsville. (Trummel). **Rave on Radio** 7415 3 f/d cds. in 7 mo. (Trummel). **Omeqa Radio** 7474 f/d cd. in 4 mo. (Trummel). **Radio Doomsday** 6955 f/d cd. in 30 ds. for 3 ms. Also rcvd. "1994 DX Award" pennant. (Martin-CA).

THE CASTLE, HAMILTON, ST. HELENA, SOUTH ATLANTIC OCEAN
Telephone: 4489 Telex: 3302 0007-111. Fax: 0100280 096-42.

via D'Angelo

ZHH
14th October, 1994
World Wide
Transmission

Radio ST HELENA
TURNS ME ON!

UZBEK: Radio Tashkent 13785 f/d cd. in 2 mo. (Placanica-IT). **Voice of Russia** 9600 via **Tashkent** f/d cd. in 7 wks. (Barto-CT).

VATICAN: Radio Vatican 6245 f/d cd. in 20 ds. w/ schedule. (Placanica-IT). f/d cd. in 1 mo. (Placanica).

VENEZUELA: Radio Valera 4840 f/d prepared cd. w/ postcard in 70 ds. for a SP rpt. and tape. (Klinck)
Ecos del Torbes 4980 p/d "Map" cd. Free Radio for in 2½ mo. for a SP rpt. and ms. the South Pacific
* (Pappas-SD). **YVPP Radio Frontera** 4761 f/d prepared cd. in 55 ds. for a SP rpt. delivered to the station by Don Moore. v/s Modesto Marchena. (D'Angelo-PA).

WEST BERLIN: Deutschland Radio 6005 f/d prepared cd. w/ ltr. in GM and sked. & stickers. v/s Hans Muggelberg. (Klinck-NY).

WEST IRIAN: RRI Merauke 3905 p/d ltr. w/ p/d cd. in 73 ds. for an IN rpt. and \$1.00. v/s Drs. Tuanakotta S., Kepala Seksi Siaran. (Martin-
ZAMBIA: Radio Christian Voice 6065 f/d personal ltr. w/ label pin CA).
* in 6 wks. v/s Andrew Flynn, Transmitter Engineer. Addr: Private Bag E606, Lusaka. (Lobdell-MA). **ZNB Corporation** 4911 cd. in 4 mo. for 3 IRCs. (Schwartz).

ZIMBABWE: ZBC Radio 3 3396 f/d "Map" cd. in 50 ds. for \$1.00. (D'Angelo-PA). f/d cd. in 3 wks. for \$1.00. (Anderson-MI). f/d large cd. in 2 mo. for 3 IRCs. (Schwartz). same in 46 ds. for \$1.00. (Fisher-MA). in 50 ds. for \$1.00. (Martin-CA). 4828 f/d cd. in 51 ds. for \$1.00. (D'Angelo-PA). **ZBC Radio 2** 3306 f/d cd. in 2 mo. (Barto-CT). **ZBC** 3306 same cd. in 40 ds. for \$1.00. (Loudell-DE). in 25 ds. (Price-PA). 4828 cd. in 2 mo. for \$1.00. (Lobdell). 3306 and 4828 cd. in 8 wks. for a taped rpt. (Berg-MA). 3306 and 3396 cd. in 35 ds. (Evans-TN).

NOTES: Stephen Price wants to know if he and **Rich Hankison** are the only two DXers to receive a QSL from **Radio Myanmar**? Steve received his in Jan. 95.... Since the QSL cd. seems to be printed and when one does this it is desirable to do this in quantity, it would seem logical to assume that Myanmar might start to QSL. If not US DXers,

then someone else should be receiving them. If this is not so then why go to the effort to print QSLs with schedules?... Sam. **Mike Hardester** says that he heard on CNN that USPO international rates will go up in May or June. Hope not! **Franz Schwartz Jr.** says that he is receiving the Journal about 4 days later. Franz, I think the only answer is to raise the postal rates and let in more junk mail to break the carriers back. What do you think?... Sam. **Ed Kusalik** sent in a great postcard with a photo of the DX shack. How do you keep all those awards in such a straight line?... Sam. **Steve Martin** checks in and says that if it wasn't for the Journal and FTing, his mailbox would be empty. Steve wonders if his reports make it out of the county never mind the country!!! About 10 years from now a large home will be demolished and the basement will contain a zillion bags of overseas mail. Its been done in Italy... Sam.

Till next time - best of DXing...

Sam

Hitwi Radio

Q.S.L.

Dear Chris, Lobdell, MA, USA
Thank you for your Reception Report dated Jan 21, 1995 for the broadcast on Jan 21, 1995 at the frequency of 7445 kHz USB the time of 07:21 7:08:28 UTC We hope you will take it as a sign to the rest of the world.

73's

PD BOX 3103
DEERMAN & MAPLER
DEERMAN & MAPLER
NUCLEAR-FREE



WMR confirmation of reception

WEEKEND MUSIC RADIO

INTERNATIONAL RADIO FROM SCOTLAND

SPECIAL NORTH 93 QSL

of SAM BARTO
QSL 1174
QSL 080302K
QSL 6237-64Hz
QSL 3004
Special Thanks

2332

Contributors' Page

John Schmid
P.O. Box 86
Line Lexington, PA 18932

LOGGINGS CONTRIBUTORS - April 1995 - DEADLINE 10th of MONTH!

The following members contributed loggings:

Brian ALEXANDER , Mechanicsburg , PA
Mark ANDERSON, Prescott, MI
Jerry BERG , Lexington , MA
Dean BIANCO, East Chester, NY
William BROWM, Independence, MO
David CLARK, Thornhill, ON
Richard D'ANGELO , Wyomissing , PA
William DAVENPORT, Nashville, TN
Jim DUCHARME, South Hadley, MA
Marlin FIELD, Hillsdale, MI
Bill FLYNN , Cave Junction , OR
Harold FRODGE, Brighton, MI
Harold FRODGE, Midland, MI
Nick GRACE, Washington, DC
Richard HANKISON, Praire Village, KS
Mark HUMENYK, Weston, ON
Jack JONES, Jackson, MS
Rufus JORDAN, Pittsburgh, PA
Marv KAMINSKY, Flanders, NJ
Jerry KLINCK, West Seneca, NY
Marie LAMB , Brewerton , NY

Harold LEVISON , Philadelphia , PA
William McGUIRE , Cheverly , MD
Kevin MURRAY, Holliston, MA
Ed NEWBURY, Bridgeport, NE
Marina PAPPAS, Huron, SD
Denis PASQUALE, New Brighton, PA
Sheryl PASZKIEWICZ, Manitowoc, WI
Martin PECK / Dean BIANCO, E. Chester, NY
Robert PIETRASZEK, Turners Falls, MA
Dennis PINTO, Brooklyn, NY
Ed RAUSCH, Cedar Grove, NJ
Chuck RIPP'EL, Cornland, VA

Doug ROBERTSON, Oxnard, CA
Betsy K. ROBINSON, Clinton, TN
Mike RYAN , Bangkok , THAILAND
Giovanni SERRA, Rome, ITALY
Todd SMITH, Norwalk, CT
Jack THOMPSON, New York, NY
Wallace TREIBEL, Seattle, WA
George UHLER, Santa Maria, CA
David WILLIAMS, Astoria, OR

NRD 535D 100' LW
NRD525 Eavesdropper 180' RW
R8 R390A HQ180A 150' LW
HF1000 HQ180 R600 130' LW
R8
2 R8s 2 R7s HQ180C Beverages
R8 FL3 AD Sloper Farley Loop
DX380 ICF7601 AN1
ICF-7600G Datong FL3 41' MLB antenna
NRD535D Eavesdropper
R8 R7A 500' loop 83' Dipole
R71A MFJ956 500' RW's
R71A MFJ956 80' & 185' RW's
Kenwood TS440S 160m dipole

Magnavox D2935 TUN3 tuner

DX302 Transoceanic indoor wire
NRD535D RW
2 R8's HQ180 80' LW Dipoles
HF150 DX392 DX375 60m LW SW loop
MFJ16010
R8 R70 D2999 Indoor LW
DX380

R8 R5000 70' Windom
R8 DX400 indoor random
DX440 10m LW
NRD515 NRD525 60' LW Eavesdropper
HF1000
ICF2010 RW
R71A
R5000 2010 MFJ959 Eavesdropper 300' Dipole
FT1000D Lowe Europa SP600JX1 R390A 51S1
100' Inverted Vee Carolina Windom 160
DX302 FRG8800 FRA7700
Sony 2010 Indoor Telescopic Antenna
R8
NRD525 AD Sloper
DX350
Grundig YB400 ICF SW33
DX440 ATS803A 60'sloper 220' loop

Hi everyone. This months list contains some folks who should have appeared in the March issue. Sorry. Well the 1994 Winter SWL Fest is history. 227+ radio enthusiasts converged on downtown Kulpville for this 8th annual event, and a fine time was had by all! A big thanks to Bob & Gail Brown, Kris Field, Harold Cones and everyone else involved for all their hard work. If you haven't attended a Fest yet, consider coming to # IX next year! 73 - see you in May.

Tropical Band Loggings

Sheryl Paszkiewicz
1015 Green Street
Manitowoc, WI 54220



SHERYL PASZKIEWICZ, PO BOX 152, MANITOWOC WI 54221-0152
Good to see many of you at Kulpsville!

- 1620 PIRATE WSWL 3/17 0042 EG Joe Walsh album, IDs, TCs, Weird Al Yankovic, f-g (Lamb-PA)
- 1620 PIRATE R Azteca 3/17 *0159 EG IS, QSL info, Cantilever bra ad ltrs, Fest events, Top 10 list, f-g (Lamb-PA)
- 1620 PIRATE R Garbanzo 3/17 *0234 EG ID, ACE promo, animal noises, Bowie mx, take ads, unspeakable aerobics lesson (Lamb-PA)
- 1620 PIRATE R Airplane 3/19 0520 EG tik abt shaving yr nose, Zappa, ID, take ads, Wellsville addr, f-g (Lamb-PA)
- 1660 USA WDBA? relay of WFKL, Bulls game, exp digital stn, call & addr for QSL via Chuck Boehnke, QSL via Jeff Andrews, 332 S. Michigan, Suite 605, Chicago 60604 2/19 0100, poor (Frodge-MI)
There's a freight forwarder in that bldg too--sp.
- 1700 PIRATE KULP 3/18 0507 EG rock & C&W, IDs, fake ads, relayed Kiwi R 0535, f-g (Lamb-PA)
- 2310 AUSTRALIA VL8A 2/5 1123 interview, lite mx, ABC nx after fanfare 1130 (Frodge-MI)
- 2325 AUSTRALIA VL8T 2/5 1123 interview, lite mx, ABC nx after fanfare 1130 (Frodge-MI) 2/16 1047 EG mx, Elvis, sev IDs, poor (Robertson-CA)
- 2390 MEXICO R Huayacocotla 2/3 1210 SP great Latin mx, ID 1220 RTTY QRM, fair (Newbury-NE)
- 2410 PAPUA R Enga 2/25 1145 poor w/tlks (Rippel-VA)
- 2460 BRAZIL R Alvorada 2/4 0146 PT EZL mx, IDs, fair (Frodge-MI2)
- 3220 ECUADOR HCJB 2/4 1032 SP Andean vcls, cmtry on border war //6080 (Frodge-MI2) tent on 2/7 1101 flute mx, YL tik, fair (Levison-PA)
- 3222 TOGO R Kara 2/12 0530 FR elec piano IS, NA, ID, folk song by boys' choir, p-f (Peck/Bianco-NY)
- 3230 SOUTH AFRICA R Orange 2/28 2316 mx & cmtry, good (Humenyk-ON)
- 3245 BRAZIL R Clube Varginha 2/28 2318 PT cmtry, poor (Humenyk-ON)
- 3249.5 HONDURAS Luz y Vida 2/6 1150-1213 SP tik & rustic vcls, ID, anmts, nx, LV de Esperanza slogans, fair (D'Angelo-PA)
- 3264.9p SUMATRA RRI Bengkulu 2/27 2259 SCI, tnx Ward (Rippel-VA)
- 3270 ECUADOR Ecos del Oriente 2/28 2319 SP trad HC mx, poor (Humenyk-ON)
- 3270 NAMIBIA NBC 2/10 0500 EG ID, nx by YL, pop mx, ad for Miss Namibia Beauty Contest (Bianco-NY) Tnx for the logs. They just missed the previous deadline--sp.
- 3280p ECUADOR LV del Napo 2/19 0950-1015 kids chorus, NA 1000, HC instl, good (Alexander-PA)
- 3289.8 ECUADOR R Centro 2/18 1045 SP TC, nx, etc., clear ID, only 500 watts, fair (Pinto-NY) 2/4 0523-0538 SP TCs, IDs, Andean vcls, fair & noisy (Flynn-OR) 3/12 1017 HC mx, ID, TCs, many buenos dias, p-f (Jones-MS)
- 3289.9 NAMIBIA NBC tent 2/19 0347-0425 lang EZL pop tunes, no anmts, good African nite, fair (D'Angelo-PA) 2/17 0137 EG EZL mx pgm p-f (Humenyk-ON) tent 2/12 0330 Afropops w/accordions & flutes intermittant ute & LA QRM, poor (Peck/Bianco-NY)
- 3300 GUATEMALA R Cultural 2/17 0139 SP mx pgm, good (Humenyk-ON)
- 3304.8t TIMOR RRI Dili 2/25 1130 AR style mx, tlks, poor (Rippel-VA)
- 3306 ZIMBABWE Radio 2 3/4 0345+ Afro tunes, YL anncr, some EG ID, TC, Afr nx in lang 0400, ment Gwelo (Clark-ON) 2/11 *0300-0430+ IDs, Afr choral mx, pops, lang tik, good (Alexander-PA) 2/13 0300 drum, EG ID, NA, into lang & hymn, good (Newbury-NE) 2/12 0345 Shona? Afr waltz, poss Miriam Makeba, Afr pops, YL ID 0400, fair (Peck/Bianco-NY)

3324.8 GUATEMALA R Maya 2/3 0225 SP ID, Latin & rel mx, good (Newbury)
3325 ECUADOR Ondas Quevedenas 2/17 0147 SP cmtry, mx, p-t (Humenyk-ON) RU sure it wasn't R Maya--sp

3340 PERU R Altura 2/4 1045 SP lite vcis, la frecuencia onda corta, R Altura, poor (Frodge-MI2) 2/27 1030 TC, mx, good (Field-MI) 3/11 1100 IDs, FC, slogans, TC, OA mx (Jones-MS)

3360 GUATEMALA LV de Nahuala 2/3 1220 SP/lang ID, Latin mx, rel cmtry, good (Newbury-NE)

3366 GHANA GBC 2/10 0600 EG ID OM, TP, into nx, RTTY QRM (Bianco-NY) 2/28 2323 EG/lang mx pgm, good-exc (Humenyk-ON)

3370 GUATEMALA R Tezulutan SP/lang 2/4 1052 OM & marimbas, rel pgm, fair (Frodge-MI2)

3380 GUATEMALA R Chortis 2/4 1145 SP ID promo, Mexican mx, Nortena & Mexican Hat Dance, fair (Frodge-MI2) 2/4 1210 SP Latin mx, some mariachi, good (Newbury-NE)

3385 FRENCH GUIANA RFO Cayenne 2/28 2325 FR cmtry, poor (Humenyk-ON)

3395.1 SUMATRA RRI Tanjungkarang 3/4 2245 modest carrier, fair peaks lcl tik, rapid fadeout, implied grayline (Clark-ON)

3396 ZIMBABWE Radio 3 2/17 0330 EG We are The World, M DJ, Afr pop mx, ment good morning, poor (Pasquale-PA) 2/11 *0300-0430+ NA, EG rel tik, jingles, TC, jazz, pops, EG nx 0400 (Alexander) 2/12 0400 EG tik abt lcl events, ID, pops/ballads, intermittent ute QRM, f-g (Peck/Bianco-NY)

3462v COLOMBIA unid 2/12 0015-0200* SP tik, continuous LA mx, ment Col, HJ NA, distort audio, not hrd since, strong (Alexander-PA)

3870nf FRANCE RFI 2-10+ 2340-0030+ SP tik, lite instls, pops, IDs ham QRM, separate pgm 3965 till 2357 (Alexander-PA)

3925 JAPAN R Tampa 3/1 1600 JP cmtry, fair (Uhler-CA) 3/1 0846 JP instl mx, pops, YL DJ, 0d59 ID by OM, TP, good (Robertson-CA)

4010nf VATICAN Vatican Radio 2/11 *0327 IS, rel pgm, suppressed carrier USB, ex-3945, EG 0600 & //6245 (Alexander-PA) 2/23 0344 SL/CR/CZ IS, IDs, Fanfare for the Common Man, Pope's greetings, ment Slovakia, brass mx, fair w/QRM (Lamb-NY)

4460.8 PERU R Norandina 3/4 0400-0431* SP anmts, tik, ballads, ID, NA, weak but in the clear (Alexander-PA)

4472 BOLIVIA R Movima 2/17 1032 SP M DJ, lcl mx, anmts, IDs (Klinck)

4505.2 PERU R Horizonte 2/26 0240-0400* SP anmts, DJ chatter, rustic vcis, hynnos, abruptly off, weak (Alexander-PA) 2/6 1020 SP OA mx, IDs, anmts (Klinck-NY) 2/27 1001 loud & clear ID after audience participation, TCs & ads, poor (Jones-MS)

4550 BOLIVIA R Tropic 2/22 1025 SP ID, rel pgm, tango. 2/25, *1030 brass band, then just OC, poor (Jones-MS)

4552 BOLIVIA R Tropic 2/24 1035 SP, vy weak, presumed (Jones-MS)

4600 BOLIVIA R Perla del Acre 3/10 1002 SP various LA pop mx, TCs clear ID, fading & line noise, p-f (Jones-MS)

4606.4 IRIAN JAYA RRI Serui 3/9 1148-1205 IN tik, SCI, Jakarta nx relay //4874.6 Sorong, poor (Murray-MA)

4615.2t IRAQ R Baghdad 2/26 0330 AR Koran, poor (Flynn-OR)

4697.2t JAVA RKIP Surabaya 2/19 1617-1630 IN poss gamelan, instls, M tik, poor (Flynn-OR)

4753.5v SULAWESI RRI Ujung Pandang 3/4 2229 lcl IS, TP 2230, lcl nx, choral anthem, tik vcis, is this a daily feature? (Clark-ON) 2/5 1324 pop mx, poor but still in 1422 (Frodge-MI2) 2/17 1155 native mx, fair (Newbury-NE)

4765t BOLIVIA R Guanay 2/24 0350 SP instl of Green Grass of Home (Pasquale-PA) ID? This is rare--sp.

4765.9p SUMATRA RRI Medan 2/19 1600-1617 Koran, fair (Flynn-OR)

4770 NIGERIA R Nigeria Kaduna 2/17 0440 EG M tikg abt God and materialism, fair (Pasquale-PA) 2/6 0445 soft rock mx, EG lyrics, ID, drums, EG nx, good (Newbury-NE) tent 2/12 0445 EG NA, tik, Koran, Bible (Peck/Bianco-NY)

4774.9 DOM REP Onda Musical 3/2 etc 0100-0150 SP tik, ballads, ads, jingles, roaming around a little, vy good (Alexander-PA) 3/5 0200 lcl mx, quick ID, vy good (Berg-MA)

4775 INDIA AIR Imphal 2/18 1212 lang kids singing Christian hymns in EG, 1230 Manipur election results (Ryan-THAILAND) Mike says this one has its own IS, weird mx, some Christian pgmg, only common thing is Delhi nx 2/23 1628-1637 lang w/drama pgm, mx bridges, AWK pgm?, poor (Flynn-OR)

4775t PERU R Tarma 2/14 0125-0130 SP rel pgm, hymns, poor (Flynn-OR)

4779.7 GUATEMALA R Coatan 2/12 1210 SP vy clear ID, poor sig (Pinto-NY) 2/12 0100-0209* SP tik, IDs, lcl rel mx (Alexander-PA) 2/4 1230 SP/lang ID, mx, "When the Roll is Called" good (Newbury-NE)

4779.8 ECUADOR R Oriental 2/24 1137 SP lcl mx, clear IDs & anmts (Klinck-NY)
 4780 UKRAINE R Ukraine Intl 2/19 0400-0425+ EG nx, cmtry, lcl rolk mx //11790, weak w/numbers stn occasionally (Alexander-PA)
 4789.1 IKIAN JAYA RRI Fak-Fak 2/10 1235 AR Koran cn and on, fair (Newbury-NE)
 4795.3 ECUADOR LV de los Caras 2/17&18 0050-0120* SP tlk by M&W, IDs, echo anmts, brief mx breaks, weak (Alexander-PA)
 4800h CUBA R Rebelde 2/19 0740+ SP tlk, LA mx, strong (Alexander-PA)
 4800 LESOTHO R Lesotho 2/20 0220 Sesotho lot of Afr mx & alternating tlk by M&W (Pasquale-PA) Tnx for the logs!--sp
 4810 PERU R San Martin 2/7 1150 SP ID, ment Tarapoto, tlk, phone call, fair (Newbury-NE)
 4810 SOUTH AFRICA Afrikaans S/R 2000 3/5 2242 AK/EG class & opera mx ID, abruptly to EG cricket coverage 2300, f-g (Lamb-NY) 2/11 0425 AK disco, Bonanza & Dallas themes, good (Newbury-NE) 3/1 0420 AK/EG cmtry on Apartheid (Uhler-CA)
 4820 HONDURAS LV Evangelica 2/28 0445-0500 SP mx & cmtry, fair w/ some static (Uhler-CA)
 4828 ZIMBABWE ZBC 1/26 2138-2200 EG US-Euro R&B mx, ID 2153, good nite, NA to s/off, fair (Ducharme-MA)
 4830 VENEZUELA R Tachira 2/5 0957 SP sung anthem, blasted Reloj, tlks, QRM 4833, poor (Frodge-MI)
 4831 COSTA RICA R Reloj 2/9 1233 SP nx by OM, f-g (Newbury-NE)
 4835 GUATEMALA R Tezulutlan 3/1 0230 SP/lang continuous marimba mx & some intros, fair (Pasquale-PA)
 4840 VENEZUELA R Valera 2/7 1040 SP 90% sure of ID, splatter from R Tachira 4830, poor (Pinto-NY)
 4860 ECUADOR R Federacion 2/19 0000 lang 2M tlk, sporadic partial Indian vcls (Klinck-NY)
 4860 INDIA AIR Delhi 2/8 1255 SC mx, sitar, anmts, fair (Newbury-NE)
 4860p PERU R La Hora 3/3 2354 SP/lang Andean mx, pops, poss ID, ment HC mx & Cusco, RTTY QRM (Lamb-NY) WRTH also lists R Lider--sp
 4865p BRAZIL R Sentinel 2/26 0807 PT Dinah Washington, Benson, pops poss ID of Radio Lider FM relay, fair w/QRM (Lamb-NY)
 4870 BENIN ORTB 2/3 2247 FR OM w/EG soul mx, Radiodiffusion Benin, anthem & off before 2301, f-g (Frodge-MI2)
 4875 BRAZIL R Super Roraima 2/17 1005 PT exc mx from the jungle, exc sig (Pinto-NY)
 4875 UNID VOA Africa Svc 2/14 1830 EG sports, feature on Valentine's Day, site? (Ryan-THAILAND)
 4885 BRAZIL R Clube do Para 2/26 PT live samba mx for Carnaval, IDs ment Kentucky (why?), f-g (Lamb-NY)
 4890 PAPUA NBC 2/18 1045 EG tolk mx, ID, IS 1100 pretty clear, fair sig (Pinto-NY) 1/26 1145-1200 EG C&W mx, ID, NA to s/off fair (Ducharme-MA) 3/1 0802 lang/EG nx, mx bridge, ad for Family Planning Clinic, ID, TC, sports, good (Robertson-CA)
 4890.1 PERU R Chota 2/12 0240-0259* SP anmts, ID, huaynos, NA, poor w/ute QRM (Alexander-PA)
 4895 COLOMBIA LV del Rio Arauca 3/3 0120-0158* irr. SP tlk, pops/ ballads, ID 0155, NA, TP, good (Alexander-PA)
 4895 RUSSIA R Rossi 2/5 1835 RS class mx, organ selection, IDs & tlks (Ryan-THAILAND)
 4904.5 CHAD RNT 2/11 0445 FR 2M tlk, Afr mx & steel drums, ID, fair (Newbury-NE)
 4910 AUSTRALIA VLST 3/1 0822 EG YL tlk, drum, native vcls, 0828 ID 0829* p-f (Robertson-CA)
 4910 INDIA AIR Jaipur 3/1 1350 ad for Castrol Oil Co. regional mx, tlks to 1415*, *1430 on 3295 (Ryan-THAILAND)
 4910.6 HONDURAS LV de la Mosquitia 3/4 0200-0253* lang rel tlk, rel mx, EG 0237-0251 R Bible Hour, brief anmts, fair (Alexander)
 4914 PERU R Cora 3/6 1037 SP SAM nx, TCs, ID, fair (Jones-MS)
 4915 GHANA GBC-1 2/15 2207 EG SAF & Palestinian foreign ministers to meet, poor (Pasquale-PA) 2/17 0530 lang, Afr mx, anmts, rap f-g (Newbury-NE)
 4915 PERU R Cora 2/24 0230 SP ballads, lots of IDs & annmts, fair (Pasquale-PA)
 4919.9 ECUADOR R Quito 2/21 0137 SP YL DJ EG/SP ballads, R Quito, La Voz de la Capital! (Klinck-NY) 2/9 1236 SP nx, fair (Newbury)
 4927 SUMATRA RRI Jambi 3/4 2259 SCI, OM w/Jakarta nx, on this alternate channel today instead of 4925 (Clark-ON)
 4930.6 HONDURAS R Internacional 2/11 0130 SP, fair sig (Pinto-NY) 2/7

- 1128 much tkl, freq IDs, regional nx, good (Levison-PA)
- 4945t BOLIVIA R Illimani 2/15 0100-0133 SP Juego de Pelota Intl poor (Flynn-OK)
- 4950 ECUADOR R Bahai 2/17 1105 lang M tkl, mx, IDs (Klinck-NY)
- 4955 COLOMBIA R Nacional 2/26 0343-0422 SP multiple IDs, musica romantica pgm, good (D'Angelo-PA)
- 4965 BRAZIL R Alvorada 2/26 0140-0158* PT anmts, Brasopops, ID canned IDs, best in LSB to avoid RTTY (Alexander-PA) 2/12 0935-1001 PT long tkl, some mx, ID o FC 0945, 0950, partial orch NA, good (D'Angelo-PA)
- 4965 NAMIBIA NBC 3/3 *0559 fish eagle IS, choral NA, This is NBC Natl k from Windhoek, regional nx (Kausch-NJ) Didn't know they had a fish eagle IS too--sp.
- 4974.9 PERU R del Pacifico 2/15 2320 IDs & ads around what sounded like a sporting event (Klinck-NY)
- 4975t TAJIKISTAN Tajik R 2/23 1600-1615 lang nx, mx bridge, tkl, poor, Fujian closes at 1600 (Flynn-OR)
- 4976 UGANDA K Uganda 3/4 0405 tkl re lcl health & agriculture, pop mx to ID, nx (Kausch-NJ)
- 4990.9v PERU R Ancash 2/28 0953 SP mx, echo tkl ment Huaraz (Pappas-SD)
- 4999.5p EKITREA Vo Broad Masses 2/7 0415 long tkl, unrecog mx, tkl in lang to 0500, definite //7020 next nite (Rippel-VA)
- 5010 INDIA AIR Thiru'puram 3/5 0100 fading up w/tml in lang by OM, peak lasted abt 10 minutes (Clark-ON)
- 5015 PERU Estacion Tarapoto 3/3 0055-0205* Chaka Khan, ballads, instl bridge at :25 & :55, MoR mx, full canned ID (Kausch-NJ) 2/8 1050 mx, nx 1100, ment Tarapoto (Field-MI)
- 5020 NIGER LV du Sahel 2/5 0530 FR Atropops, OM ment Niamey (Rippel)
- 5030 COSTA RICA ANK Pan America 1/24 0506 FR class & EZL mx, FR rel pgm //6150 (Lamb-NY) 2/4 1020 EG rel pgm, ID promo at 1029 f-g (Frodge-MI2)
- 5030.4 SUMATRA RRI Sibolga 2/14 1457-1500* IN mx, anthem, fair (Flynn)
- 5040 COLOMBIA LV de Yopal 2/12 musica tropical, few anmts, clear IDs (Klinck-NY) 2/10 0140 ranchera mx, musica tropical, KCN ID & Yopal ID 2/13, exc sig (Field-MI) 2/6 0505 SP ID, Latin dance mx, ethnic mx, r-g (Newbury-NE)
- 5040t GEORGIA Georgian R 2/12 0425 KS/GE urban folk song (sound more Near Eastern), tkl, poor (Peck/Bianco-NY)
- 5040 SUMATRA RRI Pekanbaru 3/4 2259:30 SCI poking above noise level, bits of OM w/Jakarta nx //4927 (Clark-ON) 2/14 1503-1510 IN nx on scene reports, fair (Flynn-OR)
- 5043 ANGOLA EP Benguela 2/26 0415-0440+ PT tkl by YL, US-Euro-Atro pops //3374.9, 4950, 7245, also at 2245 (Alexander-PA)
- 5050 TANZANIA R Tanzania 1/31 0346 EG Afr mx, tkl, tklg drum ID, nx, fair w/QRN (Lamb-NY) 2/9 1800 Thursday UN Radio pgm feature on OAU, balance of power (kyan-THAILAND)
- 5055 COSTA RICA TIPC 3/4 0345-0400 EG mx, ID Lighthouse of the Caribbean, EG/SP pgm (Uhler-CA)
- 5084p PERU R Mundo 2/5 1045 SP Andean mx, OM, poor (Frodge-MI2) 2/7613 1018 mx, ID, weak w/QKM (Field-MI)
- 5770 NICARAGUA R Miskut 2/15 2314 SP musica romantica, ID 2330 (Klinck-NY)
- 5810 USA KAIJ 2/01 0315-0400 EG Dr Gene Scott preaching, "All Truth Leads to God" sermon, Univ Net ID, sked (Jordan-PA)
- 5453.9 ECUADOR R Alianza 2/18 0320-0413* SP anmts, HC mx NA, poor-fair w/bubble jammer (Alexander-PA) 2/23-28 1102 ID, TC, some ranchera mx, exc sig (Field-MI)
- 5890 SAIPAN? FEBC 2/3 1530-1558* CH, EG ID but no xmtr site given, move from 9495? Anyone have more into? (Treadel-WA)
- 5999.3 ECUADOR LV del Upano 2/17 1045 SP rosary to 1100, then pop mx //4870, fair (Pinto-NY)

In case I got you confused, don't send intl logs to me or tropical ones to Wally since we can't get them to each other in time. MIKE KYAN says all those strange pgms you've hrd on 4775 from AIR are Impnal. This month reporters from 11 states, 1 province, 1 country. Welcome back, JACK JONES. Welcome DENNIS PASQUALE & GEORGE UHLER & PINTO. Next deadline April 21.

International Band Loggings

5901-30000 kHz

Wallace C. Treibel
357 N.E. 149th Street
Seattle, WA 98155



- 5905 NORWAY RNI in EG 0000, nx, rpt on lcl football, space activities, //5910 (Jordan PA 2/27)
- 5935 RUSSIA R Nadezhda in RS 2000*, tlks by 2 YL's, ezl pop rx, ID, promos (Ryan THAILAND 2/8)
- 5940 RUSSIA V of Vietnam relay in EG *0400, nx, s/on after Universal Life s/off (Field MI 2/13)
- 5960 KAZAKHSTAN Kazakhstan R in lang 1930, vcls, tlks by OM/YL, ID's (Ryan THAILAND 2/5)
- 5965 NORWAY RNI in EG/NO *0559, IS, ID in EG, fqys, NO nx, econ feature, f-p (Lamb NY 3/6)
- 5975 UNITED KINGDOM R Japan relay in EG 0703, nx re Kobe, "Japan Update", f (Lamb NY 3/6)
- 5995 UNITED KINGDOM R Canada Int relay in EG 2135, mailbag, ID (Rausch NJ 2/19)
- 6005 CANADA CFCX Montreal in FR 1400, pop mx, ID, ads, promos, g (Anderson MI 1/28) 1/2 kw.
- 6015 CANADA R Austria relay in EG 0530, nx, downhill skiing results, exc (Uher CA 3/5)
- 6025 CANADA R Japan relay in JP/EG 0427, cmntry, mx, ment quake shocks (Uher CA, Newbury NE)
- 6025 MALTA Deut Welle relay in AR 0550*, tlks, fqys, site ID in EG, f w/QRM (Lamb NY 2/26)
- 6060 ITALY R Uno Sicily in IT 2259*, pop vcls, tlks, ID 2258, //9515 (D'Angelo PA, Alexander PA)
- 6075 GERMANY D Welle in GM 0335, nx, rpt on 50th anniversary of Dresden raid (McGuire MD 2/13)
- 6080 AUSTRALIA RA in CH/EG 1404, into EG pgming 1430, nx, features, //6060 (Frodge MI 2/2)
- 6080 ECUADOR HCJB Quito in SP 1032, Andean vcl mx, cmntry, //3220, f (Frodge MI 2/4)
- 6085 OMAN R Oman in AR 1940, pleasant AR vcls, OM host, //7230 (Ryan THAILAND 2/0)
- 6085 GERMANY Bayerischer Rundfunk in GM 0253, Simon & Garfunkel, world nx, wx, traffic rpt, f (Lamb NY 2/20) in GM 1940, polkas, TC, ID (Rausch NJ 2/27)
- 6130return CANADA CHNX Halifax in EG 1715, relay FM, ads, call-in, TC, wx (Rausch NJ 3/11) 28 watts!
- 61401 BURUNDI R Dif Burundi in FR *0301, choral NA, ID, pop mx, nx, ment Rwanda (Rausch NJ 3/5)
- 6145 GERMANY D Welle in EG 0100, IS, ID, rpt on withdrawal of US troops, g (McGuire MD 2/4)
- 6165 NETHERLAND ANTILLES R Netherlands relay in EG 2330, tlk re flood prevention (Newbury NE)
- 61831 BRAZIL RN da Amazonia in PT 0958, ID's over church bells, tlk, pop mx, g (D'Angelo PA 2/12)
- 6195 SINGAPORE BBC relay in EG 1006, tlk on Muslim rel, ID, mailbag (Robertson CA, Levison PA)
- 6260nf GREECE V of Greece in SP 2120, AR nux?, ID, //7445, 9935 (Frodge MI 2/4, Field MI 2/13)
- 62816 PERU R Huancabamba in SP 0244*, OA mx, tlk, ID's, s/off w/NA (Klinck NY, Alexander PA)
- 62992ret HONDURAS Sani R in SP 0103, tlk by OM/YL, lively LA mx, ID's, g (Alexander PA 2/19)
- 6570 MYANMAR Def Forces BS in lang 1150, SEA mx, ID? 1200 (Rausch NJ 3/5, Rippel VA 2/25)
- 68953 PERU R Sensacion in SP 2342, relig tlk, organ bridge, ID, TC, vcls (Paszkiwicz WI 2/9)
- 6900 TURKEY V of Meteorology in TK 0535, lcl folk mx w/orchestra, f (Peck/Bianco NY 2/12)
- 7115 SLOVAKIA AWR in EG 0743, mx, relig pgms, ID at 0745, p (Pappas SD 2/22)
- 7120 NORWAY RN in EG 1815, "Religious sects in Norway" (Pietraszek MA 2/26) EG on Suns only
- 7125 RUSSIA V of Russia in EG *2330, nx, cmntry on WWII blockade of Leningrad (Ducharme MA)
- 7125usb ITALY IRRS in EG 2045, ID, ad, pop nix, UN pgm at 2100, short test bst (Rausch NJ 3/8)
- 7145nf? THAILAND RT in CH 1318, ID in EG 1330, into TH, 14 note gong IS, f (Pappas SD 2/20)
- 7150 LITHUANIA R Vilnius in EG 0000, econ & political cmntry, ID (Pasquale PA 2/17, McGuire MD)
- 7175 RUSSIA RS Tikhiy Okean Khabarovsk in RS 0844, tlk, mx, //9520, p (Pappas SD 2/8)
- 7210nf? QATAR QBS Doha(p) in AR 0315-0405, AR instrmls, mournful prayers, must be careful here since Canada s/on in AR *0330-0345* but pgm in AR continues after RC1*, more prayers up to 0355, into AR tlks, signal extremely weak, c.f. Monitoring Times 3/95, p 43 (Jordan PA 2/25)
- 7230 OMAN R Oman in AR 1445, recitations, instrmls, tlks, ID, chimes IS, //11890 (Ryan THAI 2/18)
- 7245 ANGOLA R Nac Luanda in PT 0340, TC's, ID's, pop vcls, also hrd 1600-1640, p (Flynn OR 2/16)
- 7250nf? CZECH REPUB R Metropolis in EG/langs 1900, testing w/tape mx, ID, sked (Pietraszek MA 2/26)
- 7260 VANUATU RV Efate Island in pidgin EG 0940, ID, C&W mx, IS, nx @ 1000 (Rausch NJ 3/10)
- 7260 RUSSIA R Nederland relay Petropavlovsk in EG 1045, "Newswire", ID, class mx (Anderson MI 2/6)
- 7270 SO AFRICA R Oranje in EG/AF 0500, So. Africa over India in cricket tourn, f (Pasquale PA 2/17)
- 7285 POLAND Polish R Warsaw in EG 1825, tlk, pop mx, better on //7270 (Pietraszek MA 2/26)
- 7300 RUSSIA R Nederland via Samara in DT *1630, IS, nx by YL, f (Flynn OR 2/19)
- 7305 KAZAKHSTAN R Nederland via Alma Ata in EG 0030, nx, "Newswire", ID, f (Anderson MI 1/24)
- 7345 CZECH REPUB R Prague in EG 0000, ID, IS, econ nx, into CZ 0130 (Pappas SD, McGuire MD)
- 7405 UKRAINE R Ukraine in EG 2200, Uganda to buy Ukrainian military hardware (Pasquale PA 2/20)
- 7420 RUSSIA RS Tikhiy Okean in RS 1900, chimes IS, ID, tlks, RS pops, tangos (Ryan THAI 2/21)
- 7448 GREECE V of Greece in GK 0215, tlks, vcls, orch mx, nx?, cmntry, nx, f (Jordan PA 2/12)
- 7450nf NORWAY R Denmark relay in EG 0235, intl nx, ID, QRM Greece, exc 9560 (Rausch NJ 3/10)
- 7475 TUNISIA RTV Tunisienne in AR 1952, OM/YL tlk, AR mx, ID, //12005, g (Ducharme MA 2/27)
- 9200 SUDAN R Omdurman in EG 1812, nx, pop tune, press review, AR song, pgm on environment (Serra ITALY 2/8) SNBC Domestic Service in AR 0300, pips, ID(p), QTH, prayer recitations, mournful toned OM, AR instrmls, sig very weak, p (Jordan PA 2/18)
- 9335 ETHIOPIA R Fana in lang *0327-0430, tlk, ME type mx, IS, IS, intl nx in Amharic, African mx, at 0356 C&W mx w/Dolly Parton in EG, //6210 (Alexander PA 2/11, Rausch NJ 2/26)

9375 COSTA RICA(p) RFPI? in SP 0510-0600, L Am nx, ezl ballads, fqy & ID?, audio very muffled, ment Costa Rica, p (Jordan PA 2/23) NOTE: RFPI rptd here in NASWA April '94 but in EG lang

9380 CHINA CPBS Beijing in CH 1237-1300, CH classical mx, ID 1300, f (Ducharme MA 2/23)

9425 NO MARIANAS KHBI Saipan in EG 1240, Monitor R w/letterbox pgm, site ID (Ducharme 2/24)

9445 TURKEY VOT in EG 2300, IS, ID, TK mx/rock, sked, polit nx (McGuire MD 2/1, Newbury NE) in EG *0400-0450*, IS, ID, billboard, world & natl nx, press review, mail, f (Jordan PA 2/23)

9500 SWAZILAND TWR in EG *0330, IS, ID, QTH, relig vcls, Bible lesson, mail, f (Jordan PA 2/12)

9510 AUSTRALIA RA in EG *1300, s/on w/SE Asia night service, ID, nx, features, f (Ducharme 2/28)

9530 SINGAPORE RSI in EG 1100, "News in Brief", nix bumpers between items, f (Frodge MI 2/4)

9540 PAIN REE in EG 0515, "Panorama", nx, wx, lang lesson (Uhler CA, McGuire MD, Smith CT)

9555 SAUDI ARABIA BSKSA in AR 1815, nx, ID, islamic rel pgm, //9870 (Lamb NY 3/2, Pappas SD)

9560 JORDAN R Jordan in EG 1548, nx, pop mx, ID, birthday greetings (Pappas 2/26, Frogde 2/4)

9570 PORTUGAL RDPI in EG 0235, nx related to Portugal, lcl temps, g (Newbury NE 2/15)

9575 IRAN VOIRI in lang/EG 1527, into EG 1530, ID, NA?, mx, feature, p, //11790 (Pappas SD 2/5)

9580nf USA R Marti to Cuba in SP 0130-0200*, hyped tlks, ID's, fqy, xmsn site, vg (Jordan PA 2/17)

95852 QATAR QBS in AR 1840-2124*, romantic ballads, 5+1 pips, ID, nx, NA (Rausch NJ 3/8)

9580 SO AFRICA Channel Africa in EG 0300, ID, nx, workers strike in Zambia, f (Newbury NE 2/17)

9610 AUSTRALIA RA in EG 2215, "Network Asia" nx re Hong Kong (Jordan PA 3/6, Hankison KS 2/5)

9615nf RWANDA D Welle in EG *2100-2150*, IS, site ID in FR/EG, best targets, nx, features, //15270 (Jordan PA 2/12) Note: Per D Welle pgm sked, this EG xmsn to W Afr etc. to be dropped after 3/31

9620 MOLDOVA R Dreister Int in EG 2130, tlk re the Christian Orthodox Church, g (Pasquale PA 2/20)

9650 INDIA AIR Aligarh in EG 1910, "India Newsreel" re entertainment in India, ID (Rausch NJ 2/27)

9660 VATICAN STATE VR in EG 1737, church nx, Namibian song, //11625, 13765 (Lamb NY 2/19)

9665 SEYCHELLES FEBA in FR *1830, IS, ID, nx pgm "Perspective Afrique" (Rausch NJ 2/12)

9670 PHILIPPINES R Veritas in Burmese 1129, jazz mx, ID, pgm in lang (Serra ITALY 2/11)

9680 INDONESIA RRI Jakarta in IN 1230, IS, exotic mx, tlk, ID, Q&A, nx on hr, f-p (Jordan PA 3/10)

9700 NEW ZEALAND RNZI in EG 0800, ID, polit nx, wx, island mx (Newbury NE, McGuire MD)

9705 MEXICO RMI Mexico City in SP 1517, two ID's followed by lots of tlk, p (Hankison KS 2/19)

9710 AUSTRALIA RA in EG/Pidgin 0909, Papua service, mx, ID, skit, g (Robertson CA 2/16)

9720 SRI LANKA D Welle relay in CH 1320*, "Ode to Joy", site ID at s/off, f-p (Hankison KS 2/6)

9810 SEYCHELLES FEBA in EG 1520, pop mx, feature on pets, QTH India (Ryan THAILAND 2/18)

9810 RUSSIA R Nederlands via Irkutsk in EG 1045, "Newsline", ID, classical mx, f (Anderson MI 2/6)

9830 JORDAN R Jordan in AR 1828, Qu'ran, ID's, nx, Jordanian mx, f w/QRM (Lamb NY 3/2)

9860 AUSTRALIA RA in EG 0902, intl & regional nx, Greenpeace protest, ID, exc (Robertson CA 2/16)

9910 INDIA AIR in EG 1519, nx, rpt on conf in Africa re developing countries, p (Pappas SD 2/4)

9925 BELGIUM R Vlaanderen Int in EG 1910, ID, cmntry on Eur Comm on AID (Levison PA 2/27)

9960 LEBANON V of Hope in EG 0015, Dr Gene Scott pgm, lite mx, //62791, f (Alexander PA 2/26) in EG 2030, more Dr Gene Scott sermons, "Wings of Hope" ID 2115, f-p (Ducharme MA 2/22)

9965 CHINA CRI Baoding in IT 2034, nx, ID, CH mx, "Vita Culturale", //7470 (Serra ITALY 2/17)

9990 EGYPT R Cairo in IT 1806, tlks, ID, Egyptian mx, NA, nx, f (Lamb NY 3/2)

11570 PAKISTAN RP in EG 1700, nx, wx, sports, short story, lcl mx, ID's (Klinck NY 2/26) in UR/EG 1659, UR tlk, ID's, world nx, wx, cmntry, Qu'ran, f (Lamb NY 2/19)

11603 ISRAEL Kol Israel in EG *2000, IS, pips, ID, nx, interviews, into FR 2015, f-p (Jordan PA 2/12)

11610 SLOVAKIA AWR in EG/lang? *1600, IS, AWR ID in EG, relig pgm in lang, p (Alexander PA 3/5)

11675nf? KUWAIT R Kuwait in AR 1800-2302*, tlk, lcl mx, pop rx, contin on //9840 after* (Alexander 3/4)

11700 NO KOREA R Pyonyang in EG 2314, cmntry re Kim Il Sung & Kim Jung, //13650 (Frodge MI)

117051nf BRAZIL R Nova Visao in PT 2200-0000*, relig tlks, choral vcls, ID, relig mx, rousing chorus, NA (Jordan PA 2/18, Berg MA 2/27, Paszkiewicz WI, Alexander PA 2/11, D'Angelo PA 2/19)

11705 CANADA R Japan relay in EG 1425, "Media Roundup", section on R Pyonyang (Newbury NE)

11710 TURKEY V of Turkey in EG 2340, travel pgm, ID, closing ancnmts to 2350* (Rausch NJ 2/25)

11715 ALGERIA R Algiers Int in EG 1759-1859*, NA, ancnmts, ID, sked, QTH, nx 1805 & 1855, variety pop mx, several // fqys ancd but not heard, f-p, daily EG 1800-1900 (Alexander PA 3/4)

11744v ALBANIA R Tirana in AL 0157, IS, ID, sked, international nx (Rausch NJ 2/28)

11800 ITALY RAI in EG 2044*, JT pop mx, ID, fqys for Near East prior to s/off, QRM (Lamb NY 2/19)

11840 SRI LANKA R Japan relay in EG 1430, "Media Roundup", IS, ID, f (Hankison KS 2/12)

11850 NORWAY R Denmark relay in EG/DN *1130, IS, ID, special best during the World Social Summit followed by a regular best in Danish, intl nx, lcl wx (Rausch NJ 3/5)

11870 COSTA RICA AWR in EG 2230, ID, non-stop Gospel mx, g (Anderson MI 2/5)

11895 FRENCH GUIANA R Japan relay in EG/JP 0300, lang lesson, nx (Levison PA, Newbury NE 2/15)

11905 THAILAND R Thailand in EG 0030, ID, Newshour, tlk on Thai culture, g (Anderson MI 2/13)

11925 MALTA V of the Mediterranean in AR 1600*, tlks, Mideast style mx, prayers (Hankison KS 2/19)

11940 LESOTHO BBC relay in EG 1448, Big Band mx, "Look of Love", //9515 (Hankison KS 2/12)

119547 ANGOLA R Nacional in PT 2210, vcls, ancnmts, ID's, ezl & romantic mx, tlks re African nations, field rpts, interviews, f-p (Jordan PA 2/19, D'Angelo PA 2/5, Ducharme MA 2/22)

11980 GUAM KSDA AWR in EG 2301, "Wave Scan", use of radio in JP quakes, p (Flynn OR 2/25)

11990 KUWAIT R Kuwait in EG 1800-2150, AR mx, Islamic tlk, US pop mx, nx 1830, pips, ID, tlk on historical aspects of Kuwait, update on Kuwait-Iraq relations (Jordan PA 2/18, Alexander PA 3/4)

- 12065nf? RUSSIA V of Russia St Petersburg in EG *1300, sked, ID's, nx, "Music and Musicians", cmntry, Kremlin bells, pop/rock mx, f-p (Jordan PA 2/20, D'Angelo PA 2/5, Ducharme MA 2/21)
- 13605nf? RUSSIA R Stansia Atlantika in RS *0200, IS, ID, intl nx, live rpt from Chechneya (Rausch NJ 3/8)
- 13615 NO MARIANAS KHBI Saipan in EG 0818, relig pgm, ID's, QTH (Serra ITALY 2/19)
- 13640nf? RUSSIA Voice of Russia in EG 0210, international nx, press review, ID (Rausch NJ 3/8)
- 13670 BELGIUM R Vlaanderen Int in EG 1400, ID, world nx, "DX World", interview re flower show, req rpts, QTH, into FR 1430, tourism spot (Jordan PA 2/18, Frodge MI 2/4)
- 13732 INDIA AIR Bangalore in EG 1343, tlks re trade union issues, exotic lcl instrum/vcl sels, sked, ID, fqy, tlks, poor audio made copy very difficult, nx, still going at 1430, f-p (Jordan PA 2/20)
- 137499 COSTA RICA AWR in EG 2330, medical pgm, Bible study, mx, ID, //97249 (Alexander PA 2/18)
- 13785 UZBEKISTAN R Tashkent in EG 1340-1400*, interviews, lcl mx, ID, fqys, g (Ducharme MA 2/22)
- 13800 NORWAY R Denmark relay in DN/EG 1427, comedy mx, EG ID, into DN 1430 (Frodge MI 2/4)
- 14260usb/nf CANADA ARO/CG6ARC in EG 2250, ancmr that they are the official Amateur Radio Club of the 1995 Canada Winter Games w/QTH at Grande Prairie, Alberta (300 mi N of Edmonton), request QSL info, anncd there are 35 athletes in G Prairie, vg (Jordan PA 2/25) Tnx to G Hauser for tip.
- 15009 VIETNAM V of Vietnam in EG 1330, political tlks, ID (Rippel VA 2/27, Pasquale PA 2/20)
- 15115 NEW ZEALAND RNZl in EG 0550, sports roundup, cricket play by play, exc (Uhler CA 3/1)
- 15130 PHILIPPINES R Veritas in RS 1126*, relig sermon & songs, ID, fqy in EG, IS (Serra ITALY 2/11)
- 15140 INDIA AIR Delhi in RS 1625, mx, ID "Govorit Delhi", nx (Rausch NJ 2/19)
- 15145 TURKEY V of Turkey in lang 0445, fqy, TP, ID, nx, Mideast mx, //15385 (Ryan THAILAND 2/7)
- 15167 FRENCH POLYNESIA RFO Tahiti in FR 2200, cmntry by M&W, ID (Uhler CA, Rippel VA 2/27)
- 15190 EQUATORIAL GUINEA R Africa in EG/lang 2150-2256*, back on this fqy, on 15185 in Decem, EG relig pgming, into unid lang 2209, back to EG 2223, ID, fqy, QTH, NA, f (Alexander PA 2/26)
- 15240 SOUTH AFRICA Chan Africa in EG 1630, So Africa to help develop rugby in Afr, g (Pasquale PA)
- 15240 AUSTRALIA RA in EG 2340, Bob Seger song, ID's, tlks, //13605, 17860, f (Lamb NY 3/3)
- 15240 SWEDEN R Sweden in EG 1440, very British sounding host of mx pgm, ID (Lankson KS 2/18)
- 15270 TAIWAN VOFC in Cantonese/CH 1136, tlk, classical mx, IS, ID, nx in CH (Serra ITALY 2/11)
- 15325 BRAZIL R Gazeta in PT 2301, ID's, mx bridges, sports match (Klinck NY 3/1)
- 15335 NORWAY R Denmark relay in EG/DN 1330, spec bst re UN Summit meeting on fighting poverty, IS, ID in EG/DN, nx re UN actions, //13800, into NO 1400 (Jordan PA 3-7/10) Tip from G Hauser.
- 15345 MOROCCO RTVM in AR 1930, recitations, nx at 2030, f (Pappas SD 2/25)
- 15365 FRANCE RFI in EG 1230, rpt on Somalia, phone conversation w/reporter, g (McGuire MD 2/21)
- 15365 AUSTRALIA RA in EG 2225, nx, cmntry on murder of RS TV journalist, //17795 (Uhler CA 3/5)
- 15400 ASCENSION IS BBC relay in EG 1932, political nx/cmntry, ID, exc (Levison PA, Uhler CA 3/3)
- 15400 FINLAND R Finland in EG 1335, ID, wx rpt, press review, polit nx, g (McGuire MD 2/6)
- 15420 SEYCHELLES BBC relay in EG 1615, soccer match, sports update, ID, p (Anderson MI 1/28)
- 15615 ISRAEL Kol Israel in HB 1553, tlk by M&W, lcl pop ballads, ads, jingles, ID, nx, f (Peck NY 2/20)
- 156745 HONDURAS R Albatross Int via R Copan Int in EG 2049, a Pirate type pgm w/lots of ID's, QTH Pittsburgh for QSL's, into WRMI "Viva Miami" pgm 2100, ad for a record shop in Chicago (D'Angelo PA 2/11, Pasquale PA 2/19, Field MI 2/4)
- 17795 AUSTRALIA RA in EG 0100, nx pgm, //15240, 15365, exc (Uhler CA 3/1)
- 17870 COSTA RICA R Espana relay in SP 2255, tlk by 2 men, mx notes, pips, site ID 2330, world nx, DJ w/Top 40 mx pgm, L Am nx, g (Jordan PA 3/5)
- 17895 MOROCCO VOA relay in EG 1740, Zimbabwean Imberra mx, ID (Rausch NJ 2/19)
- 216049 UNITED ARAB EMIRATES UAE R Dubai in EG 1334, nx, ID, wx, QTH, AR mx, holy Ramadan pgm, //15395, 13675 (Serra ITALY 2/12)
- 21725 AUSTRALIA RA in EG 0914, "Soundabout", ID, pips, nx, "Charting Australia" (Serra 2/19)

CLANDESTINE STATIONS

- 8300 TAIWAN "New Star" Taipei(t) in CH 1540*, YL repeats phrases twice, second YL announces "Taipei, Taiwan" before close, f (Flynn OR 2/12)
- 11610 ALGERIA Nat R of the Saharan Arab Democratic Rep in AR 2238-2301*, mainly mx w/some tlk, probable ID & fqy at 2249, off w/marching band type NA (D'Angelo PA 2/26, Alexander PA 3/4)
- 11945 RUSSIA Free R Voice of Ethiopian Unity(t) in lang 1638-1700, intense drama, rptd also in last month's column w/same time frame, Russian relay into Golos Rossii 1700, f-p (Flynn OR 2/15)
- 15150 UNKNOWN LOCATION Middle East R Azadi in lang *1550-1625*, s/on w/ID, martial mx, tlks by OM and YL (Rausch NJ 2/27)

.....
 R Netherlands Media Network reported in Dec that there are currently no SW transmissions inside Vatican City. However, Giovanni Serra (who lives in Rome) advised me in his recent letter: "All Vatican broadcasts on shortwaves are relayed from the Vatican Enclave of Santa Maria Di Galeria located about 20 miles N of Rome. During a recent visit to this site, he admired the imposing array of antennas upon acres & acres of territory surrounded by a high gray stony wall. On the top of the major entrance, there is this inscription: "SANTA SEDE CENTRO RADIO SANTA MARIA DI GALERIA". Giovanni says that this confirms that it is 100% Vatican territory. The English version of the inscription is "Holy See - Radio Center of St. Maria di Galeria"

NOTE: Please mail in your loggings next month as early as possible since Ye Olde Editor will be on vacation during the latter half of April and I want to mail my column to Bill Oliver before I leave.

English Schedules

Tom Sundstrom

PO Box 2275

Vincentown, NJ 08088-2275

Fax 609-859-3226

Internet: T.SUNDSTROM@genie.geis.com

Prepared 3/25/95.

Thanks to Ralph Brandi (NJ), Jim Frimmel (TX), John Figliozi (NY), Bob German (George Jacobs & Associates), Chris Hambley (Australia), Adam Lock (WWCR), Jonathan Marks (R Netherlands), Dr. Adrian Peterson (AWR), Arie Schellaars (RA), Andy Sennitt (WRTH), Gerald Theoret (RCI), plus station personnel at Family Radio, R Japan, KTWR, TRT and TWR Swaziland for schedules sent in a timely fashion.

Chris Hambley has phoned with a number of times with news from down under. On March 7, he notes Christian Voice, Zimbabwe, appears now to have moved permanently to 4965. At his location, he has excellent reception from 1800 to 2033 s/off. Chris says this is a good move as the station was not heard on 49m.



Radio Nederland

The significant summer schedule change for Radio Netherlands to NAm is the move of the west coast release to 0430 UT. That opens up a two-hour block at Bonaire for Spanish to LAm.

The BBC program regionalization takes effect April 1. Be sure to check the *Easy Listening* column by Richard Cuff for the latest details. Looking at preliminary schedule data, for the BBC to North



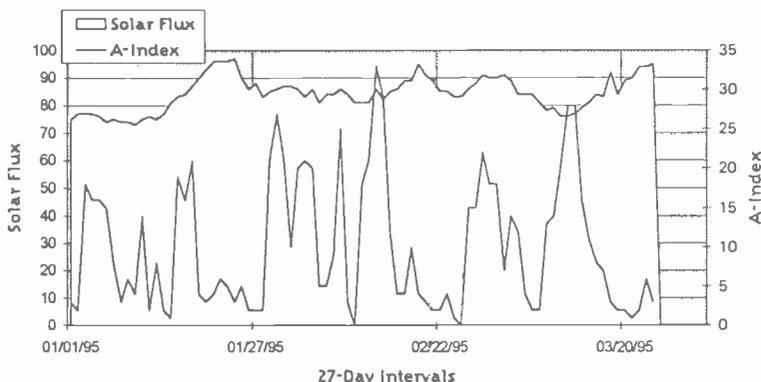
America 15220 will be replaced by 11865 from 12 to 1615, and 5965 will close at 1200 UT. Otherwise most of the Sackville and Antigua relay frequencies and times seem to be unchanged.

John Figliozi, author of the Shortwave Guide — an extensive directory of programs aired by stations — tells us that *Waveguide* is being retimed to Friday at 1235 and Saturday at 0845 for us in North America. The audience for this show may be completely lost (unless a tape recorder is used), as most of us with daytime jobs are either at work or in transit on Friday. The second airing will only be heard by those with satellite dishes or with a local station carrying BBC overnight. There are no SW frequencies scheduled to NAm at this early morning hour.



European summer time takes effect March 26, the day after we deliver this to the publisher. If you can't find what you are looking for, look an hour earlier. We were still getting changes via electronic mail and the fax machine

SOLAR FLUX & A-INDEX: JAN-MAR '95



PC Software by W2XQ

English Language SWBC Schedules
Receiver Control: JRC, Kenwood, Lowe
HF-150, Watkins-Johnson HF-1000
TRS Time for Windows™

Request a catalog from GILFER SHORTWAVE or download TRS_CAT.EXE from the Pics OnLine! BBS at (609) 753-2540. Type SWL at a main menu prompt. Get weekly updated full schedule and DX show data whenever you want it by making a 4 minute phone call; no cutting and pasting pages. See p.594 1994 WRTH.

<http://www.pics.com/>

<http://www.pics.com/trs/trs.html>

while we assembling this column on March 25.



It's not clear at all what the CIS members are doing in terms of summer time changes.

Last year some states advanced clocks beyond the normal UT differential — and we don't know if the time will shift this summer.



SENTech

And Channel Africa's new schedule is slimmer than before. The 10 UT block of English is notably absent from the Z95 schedule. It looks the best chance for us in NAM to hear this one will be 05-06 and 16-17 UT, both on 9695 beamed to west Africa.

Radio Metropolis Prague is off the air, both domestically and on shortwave, according to an Internet message posted by Radio Prague. The station was testing some months ago but never aired any programs on shortwave. Station personnel hope to resolve the problem "soon, perhaps by March 24, 1995."

WHERE YOU THERE?

IF YOU WEREN'T IN KULPSVILLE, YOU MISSED A HECK OF A PARTY. THE 8TH ANNUAL WINTER SWL FESTIVAL WAS BIGGER AND BETTER THAN EVER. IT WAS GOOD TO SEE OLD FRIENDS AND MEET NEW ONES, PUTTING FACES TO NAMES.

Radio Vlaanderen International's Frans Vossen announced on *Radio World* March 18 tells us that the show is moving from Saturday to Sunday starting March 26, and there will no Monday repeat. No explanation was given.

Following the terrible incident in the Tokyo underground March 20, Radio Aum Shinrikyo is off the Voice of Russia, according to a report aired on CNN March 23. Apparently the CIS authorities are now taking a close look at the organization. The broadcast was running at 0430 and 2030 UT. If the show returns, the normal times would be 0330 and 1930 UT.



AWR-Latin America announced new times for *Wavescan*: Sundays at 1100 and 2300 UT. The schedule details four transmitters at 11, 5 at 23. I have never noted more than two or three transmitters on the air at any given time, so check all listed. And

AWR Asia has added a third English language release: 09-10 on 9530 to Asia, and AWR Europe added an English release at 05-06 on 9895 via Samara, Russia, to the Middle East.



On a personal note, based upon a BBS message tagline I used Glenn Hauser announced to the world on March 3's *World of Radio* #786 that I am a "dittohead." I guess now everyone knows... what the heck... Glenn, when you join us on cyberspace here's a tagline you can use... "Vote Democratic... it's easier than getting a job."

FOR SALE: Classic Hallicrafters Receiver model SX-130 in mint condition. Includes matching R-51 speaker. Price \$180.00. EPSCO Variable DC Filtered Voltage Power Supply (0-8v, 0-16v). Brand new. Price \$220.00. Nick Terrence, 12 Eleanor Place, Huntington, NY 11743. Phone (516) 951-5477, not collect, or 1-800 842-9595 Ext. 5477 any time.

WANTED: Radio station pennants. Looking to swap pennants with other collectors. I have duplicates from Latin America, Asia, Africa, and Europe. Also have several VOA pennants to trade. Fred Kohlbrenner, 2641 South Shields Street, Philadelphia, PA 19142. E-mail at 75273,2717@compuserv.com

SCHEDULES

START END	COUNTRY	STATION	FREQUENCIES (kHz)	TARGET AREA	NOTES	LAST UPDATE
0000						
0800	Costa Rica	R for Peace Int'l	94000 7385	LA/NA/NA		02/25/95
1100	USA	WWCR	7435	EU/ME/NA	tx #1	03/13/95
0030						
0500	Ecuador	HCJB	214550 155400 9745	NA/NA		03/02/95
0125	Netherlands	R Netherlands	9840 6165 6020	eNA/NA		03/16/95
0330	United Kingdom	BBC World Service	7325 6175 5975	CA/NA/NA		03/05/95
0100						
0159	Canada	R Canada Int'l	13670 11940 9755 9535 6120	Camb/NA/NA/NA	#1,2,4 Tu-Sa -0130	03/04/95
0127	Czech	R Prague	9405 7345	NA/NA		03/20/95
0150	Germany	R Deutsche Welle	11865 11740 9640 9555 6145 6085 6040 930	NA/NA		03/08/95
0130	Hungary	R Budapest	11910 9835 6010	NA/NA		03/04/95
0200	Japan	R Japan	9680	GOS NA/NA		03/13/95
0130	Norway	R Norway Int'l	9560 7480	NA/NA/SA/NA	Mo only	03/12/95
0500	USA	WYFR	9505 6065	NA/NA	#1&2 Network Tu-Su	03/09/95
0130						
0140	Greece	V of Greece	11645 9420 7450	NA/NA		03/04/95
0200						
0259	Canada	R Canada Int'l	13670 11940 9755 9535 6120	Camb/NA/NA/NA	#2,4,5 Tu-Sa -0230	03/04/95
0300	USA	WWHA	7465	swEU/NA/NA	Mo & Wp	03/15/95
0230						
0300	Austria	ORF	9655	NA/NA		03/14/95
0300	Hungary	R Budapest	11910 9835 6010	NA/NA		03/04/95
0300	Sweden	R Sweden	9850 7120	NA/NA		03/22/95
0300						
0350	Germany	R Deutsche Welle	11750 9640 9615 6185 6085	NA/NA		03/08/95
0400	Japan	R Japan	9680 5960	GOS NA/NA		03/13/95
0350	Turkey	V of Turkey	9445	NA/NA		03/19/95
0400	USA	WWHA	7465	swEU/NA/NA	Su	03/15/95
0330						
0400	Sweden	R Sweden	9850 7120	NA/NA		03/22/95
0430	United Kingdom	BBC World Service	6175 5975	CA/NA/NA		03/05/95
0340						
0350	Greece	V of Greece	11645 9420 7450	NA/NA		03/04/95

SCHEDULES

START END	COUNTRY	STATION	FREQUENCIES (kHz)	TARGET AREA	NOTES	LAST Update
0400						
0500	Bulgaria	R Bulgaria	11720 9700	NAm		03/04/95
0455	China	China R Int'l	11840 9730	eNAm/WNAm		03/04/95
0415	Israel	Kol Israel	9435 7435	NAm/EU		03/04/95
0430	Norway	R Norway Int'l	7480	wNAm	Su only	03/12/95
0500	USA	WYFR	9370	EU/AF		03/09/95
0430						
0525	Netherlands	R Netherlands	9590 6165	wNAm		03/16/95
0500						
0550	Germany	R Deutsche Welle	11705 9515 6185 5960	NAm		03/08/95
0600	Japan	R Japan	11885 9680 6110	GOS:NAm		03/13/95
0600	USA	WYFR	11580 9985	EU/AF		03/09/95
0600						
0800	Costa Rica	AWR Pan America	13750 6150 5030	Am		03/02/95
0800	USA	WYFR	13695 9985 7355	EU/AF		03/09/95
0700						
0930	Ecuador	HCJB	15540U	"Worldwide"		03/02/95
0800	USA	WVHA	9870	n&eEU/WAS	Sa	03/15/95
0800						
1200	Costa Rica	R for Peace Int'l	9400U	LAm/NAm		02/25/95
0900	USA	WVHA	9870	EU/ME	Sa	03/15/95
0900						
1000	USA	WVHA	9870	EU/ME	Sa-Su	03/15/95
1000						
1300	Costa Rica	AWR Pan America	13750 9725 7375 5030	Am		03/02/95
1030	Ecuador	HCJB	15540U	"Worldwide"		03/02/95
1100	USA	WVHA	13770 11930	swEU/n&eAF	#1 Sat#2 Su	03/15/95
1030						
1059	South Korea	R Korea	11715	eNAm		03/04/95
1100						
1500	Ecuador	HCJB	21455U 12005	Carib		03/02/95
1200	USA	WYFR	11830 5950	NAm	Network Mo-Sa	03/09/95
1400	United Kingdom	BBC World Service	6195	CAm/NAm		03/05/95
1130						
1200	Austria	ORF	13730	NAm		03/14/95
1430	Ecuador	HCJB	21455U 15115	NAm/SAm		03/02/95
1200	Finland	R Finland	15400 11900	NAm	Mo-Sa	03/05/95

SCHEDULES

START End	COUNTRY	STATION	FREQUENCIES (kHz)	TARGET AREA	NOTES	LAST Update
1200						
1259	Canada	R Canada Int'l	13650 11855 9635	Cam/NAm	Mo-Fr	03/04/95
2100	Costa Rica	R for Peace Int'l	15050 94000 6200	LAm/NAm		02/25/95
1600	Ecuador	HCJB	155400	"Worldwide"		03/02/95
1300 USA		WYFR	17750 11830 6015 5950	NAm	#182&4 Network Mo-Sa	03/09/95
1400 United Kingdom		BBC World Service	11865 11865 9515 6195	CAm/NAm		03/05/95
1230						
1255	Belgium	R Vlaanderen Int'l	13670	NAm	Su	03/04/95
1300	Finland	R Finland	15400 11900	NAm	Mo-Sa	03/05/95
1300						
1325	Belgium	R Vlaanderen Int'l	13670	NAm	Mo-Sa	03/04/95
1459	Canada	R Canada Int'l	17820 11955	Cam/NAm	Su	03/04/95
1400 USA		WYFR	17750 13695 11830 6015 5950	NAm	#183&5 Network Mo-Sa	03/09/95
1330						
2100	Ecuador	HCJB	6080	Ecuador	Sa -1355	03/02/95
1400	Finland	R Finland	15400 11900	NAm		03/05/95
1400						
1500 USA		WYFR	17750 11830 6015	NAm	#182 Network Mo-Sa	03/09/95
1615 United Kingdom		BBC World Service	11865	CAm/NAm		03/05/95
1430						
1600	Ecuador	HCJB	214550 15115	SAm		03/02/95
1500						
1700 USA		WYFR	17750 11830 11705	NAm	#182 Network Mo-Sa	03/09/95
1600						
1630	Norway	R Norway Int'l	11850	wNAm	Su only	03/12/95
1700 USA		WYFR	21745 21525 21500	EU/AF		03/09/95
1700						
1900 USA		WYFR	21745 21500	EU/AF		03/09/95
1800						
2000 USA		WSHB	15665	eEu		03/02/95
1900						
2000 USA		WYFR	21745	EU/AF		03/09/95
2000						
2200 USA		WYFR	21525 17845 17845	EU/AF		03/09/95

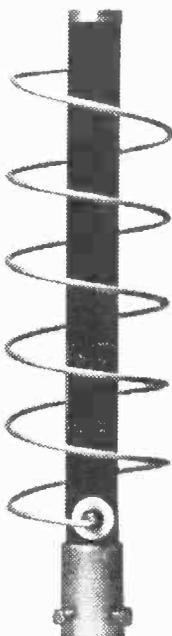
SCHEDULES

START End	COUNTRY	STATION	FREQUENCIES (kHz)	TARGET AREA	NOTES	LAST UPDATE
2100						
2400	Costa Rica	R for Peace Int'l	15050 94000 7385 6200	LAmp/NAmp		02/25/95
2300	USA	WWCR	12150	Eu/NE/nAf	tx #3	03/13/95
2200	United Kingdom	BBC World Service	5975	CAmp/NAmp		03/05/95
2200						
2229	Canada	R Canada Int'l	15305 13740 13670 11895 9755 5960	Carb/LAmp/NAmp		03/04/95
2300	USA	WYFR	21525 17845	Eu/AF		03/09/95
2300	United Kingdom	BBC World Service	9590 6175	CAmp/NAmp		03/05/95
2230						
2259	Canada	R Canada Int'l	13670 9755 5960	Carb/LAmp/NAmp		03/04/95
2300						
2400	Bulgaria	R Bulgaria	11720 9700	NAmp		03/04/95
2359	Canada	R Canada Int'l	15305 13670 11940 9755 5960	Carb/LAmp/NAmp		03/04/95
0100	Costa Rica	AWR Pan America	13750 9725 7375 6150 5030	Am	Sa-Su	03/02/95
1400	USA	WWCR	5065	Eu/NE/nAf	tx #3	03/13/95
0030	United Kingdom	BBC World Service	9590 7325 6175 5975	CAmp/NAmp		03/05/95
2330						
2355	Belgium	R Vlaanderen Int'l	13800 9925	SAmp/NAmp		03/04/95
0025	Netherlands	R Netherlands	9840 6165 6020	eNAmp		03/16/95

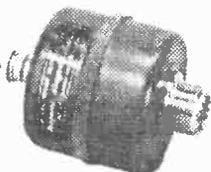
NEW PRODUCTS FROM GILFER SHORTWAVE!

RF systems

High Performance Antenna Products from The Netherlands



Magnetic Longwire Balun (shown at right) — Effectively isolates the antenna element from the coaxial feedline to reduce electrical noise. MLB available separately, or with 12.5 or 20 meter longwire antenna.



DX-7 Active Antenna (shown at left) — Compact helical HF receiving antenna covers 50 kHz — 35 MHz. Elliptical polarization helps minimize selective fading distortion. Mount indoors or outdoors. Optional power supply/control unit adjusts gain.

Magnetic Transfer Antenna — A unique passive vertical antenna for outdoor use. Low noise and immune to the overloading problems that can plague active antennas. Only 7 feet tall, but covers 500 kHz — 30 MHz; special GMDSS version covers 100 kHz — 25 MHz.

T2FD & DX Listener Antennas — T2FD is a broadband, low noise tilted, terminated folded dipole covering 3 — 35 MHz. DX Listener is a deluxe T2FD with indoor control unit which allows antenna to receive down to 100 kHz. Antenna length just 45 ft.

Call us for prices! Also available and in stock: DX-1PRO and DX-10 active antennas, AA-1 and AA-2 antenna couplers, SP-1, SP-2 and SP-3 splitters for HF & VHF/UHF, and many other products from RF Systems!

TRS Consultants Software

Now available exclusively from Gilfer! Call for free info sheet.

- English Language Schedules Database • Data Subscriptions by Disk or Download
- TRS Time for Windows • Utility Logbook •
- Receiver Control/Memory Management (JRC, Lowe, Kenwood, Watkins Johnson) •

1-(800)-GILFER-1 • In NJ: (201)-391-7887 • Fax: (201) 391-7433



All major credit cards accepted!



Weekdays 10am-8pm
Saturdays 10am-5pm

GILFER
SHORTWAVE

52 Park Avenue
Park Ridge, NJ 07656

North American Shortwave Association
45 Wildflower Road
Levittown, Pennsylvania 19057

First Class Mail
U.S. Postage
PAID
Levittown, PA
Permit No. 319

FIRST CLASS MAIL

Expiration Date 1
Hugh Miller
3625 N 104 Av.
#35
Omaha, NE 68134



ISSN 0160-1989

The Journal of the
North American Shortwave Association

Executive Director: Richard A. D'Angelo, 2216
Burkey Dr., Wyomissing, PA 19610

Publisher / Business Manager: Bill Oliver, 45
Wildflower Road, Levittown, PA 19057

Executive Council: Jerry Berg, Ralph Brandi,
Bob Brown, Dr. Harold Cones, Rich D'Angelo,
Kris Field, Bill Oliver

EDITORIAL STAFF

Managing Editor: Bob Brown, KW3F
238 Cricklewood Circle, Lansdale, PA 19446

Desktop Publishing/Graphics: Ralph Brandi, 128
Greenoak Blvd., Middletown, NJ 07748

Shortwave Center: Hans Johnson, 7529 Red Cravat
Court, Columbia, MD 21046

Easy Listening: Richard Cuff, PO Box 4512,
Timonium, MD 21094-4512

NASWA Portraits: Jerry Klinck, 43 Lein Road,
West Seneca, NY 14224

Listener's Notebook: Al Quaglieri, P.O. Box 888,
Albany, NY 12201-0888; Chris Lobdell, P.O. Box
146, Stoneham, MA 02180-0146

Technical Topics: Joe Buch, N2JB, 2008 Mozart
Circle, Virginia Beach, VA 23454

QSL Report: Sam Barto, 47 Prospect Place,
Bristol, CT 06010

Distributing Editor: John Schmid, P.O. Box 86,
Line Lexington, PA 18932

Tropical Band Loggings: Sheryl Paszkiewicz, 1015
Green Street, Manitowoc, WI 54220

International Band Loggings: Wallace C. Treibel,
357 N.E. 149th St., Seattle, WA 98155

Scoreboard: Jerry Lineback, 6943 Parkway Dr.,
Douglasville, GA 30135

NASWA Awards: Dr. Harold Cones, 2 Whits Court,
Newport News, VA 23606

English Schedules: Tom Sundstrom, W2XQ
P.O. Box 2275, Vincentown, NJ 08088-2275

Listener's Library: Skip Arey, WB2GHA
P.O. Box 644, Waterford Works, NJ 08089

Destinations: Don Moore, 11434 140th St.,
Davenport, IA 52804-9538; Al Quaglieri,
P.O. Box 888, Albany, NY 12201-0888

Equipment Reviews: Alan Johnson, N4LUS
6001 Goldsboro Rd., Bethesda, MD 20817

The Company Store: Kris Field, 705 Gregory Dr.,
Horsham, PA 19044

MEMBERSHIP FEES:

North America (First Class Mail) \$25.00
Overseas

Central America, Caribbean, Venezuela

& Colombia \$29.00

South America and Europe \$29.00

Asia, Africa and Pacific \$32.00

All remittances must be in U.S. funds and mailed to:

NASWA
45 Wildflower Road
Levittown, PA 19057
U.S.A.

